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The



# CHEMIST AND DRUGGIST

for RETAILER - WHOLESALER - MANUFACTURER

Established 1859

28 Essex Street, Strand, London, W.C.2

Registered as a Newspaper

No. 3185  
VOL. CXXXIV

FEBRUARY 22, 1941

Annual Subscription (with  
Diary) 25/-. Single Copies 9d.

**Lilly**  
TRADE MARK

TWO OUTSTANDING LILLY BURN PRODUCTS



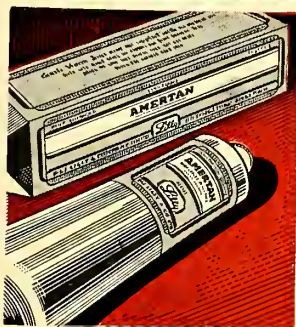
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*A New Line for New Times*  
  
**'Deb'**  
*Makes Stockings & Lingerie Last Longer*

Price 12/6 per Dozen Bottles

RETAILING AT 1/6 PER

4 OZ. BOTTLE

'Deb' is advertised in the  
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PARCELS  
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## 7 VITAMIN PRODUCTS OF GLAXO LABORATORIES

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	<b>DEKADEXOLIN</b> Ampoules, 1 cc., 60,000 i.u.A; 10,000 i.u.D. 6 x 1 cc., 7/6; 12 x 1 cc., 12/6; 50 x 1 cc., 35/-		<b>HIGH POTENCY OSTELIN</b> Tablets, 50,000 i.u.D, 25, 5/-; 100, 17/6	E	<b>VITEOLIN</b> Capsules, (3 m.) contain 6 mg. tocopherol (vitamin E) 25, 6/-; 100, 21/-; 500, 80/-
ABC and D	<b>OSTOMALT</b> Vitamins A, B, C and D. $\frac{1}{2}$ lb. jar 1/9; 1 lb. 3/-; 7 lb. 17/-.	<p><b>Still liable to Purchase Tax</b></p> <p>Vitaminised glucose is also now tax free, but only if containing "no other drug or medicament." GlucoDin contains calcium and phosphorus, and thus ranks above the plain vitaminised product both as a quality pharmacy line and as a product of therapeutic value. It therefore remains taxable.</p> <p>* Ostelin Tablets; Kapilon Tablets; Prepalin (high Vitamin A concentrate) Capsules, Liquid and Ampoules; Permidin (Vitamin P) Tablets; and Pelonin (Nicotinic Acid) all remain liable to Purchase Tax.</p> <p><b>Have you applied for your tax refund on Adexolin and Ostomalt?</b></p>			



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25s 5/-      50s 7/-      100s 9/9

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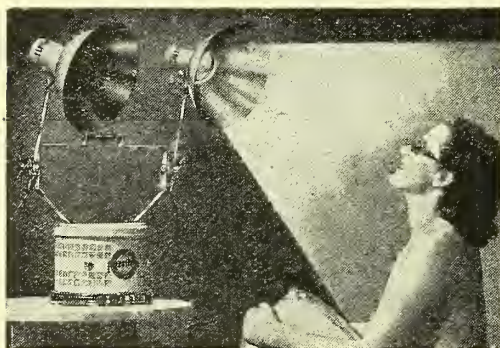
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and help them to fight War Time  
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(FULLY PATENTED)



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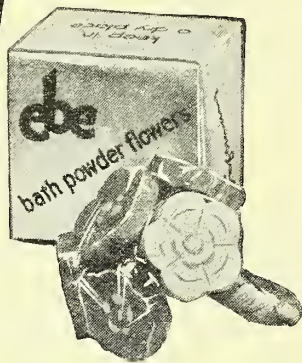
An EBE Bath is the quintessence of sybaritic pleasure. It is also a practical method of cleansing, refreshing and invigorating the body against the physical exigencies of long hours, strain and discomfort while "on duty."

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and we hope you will help us by taking advantage of these terms - surely all profit is badly needed by you these days - but please help our Accounts Department by paying within two months which is the maximum length of credit we can allow.

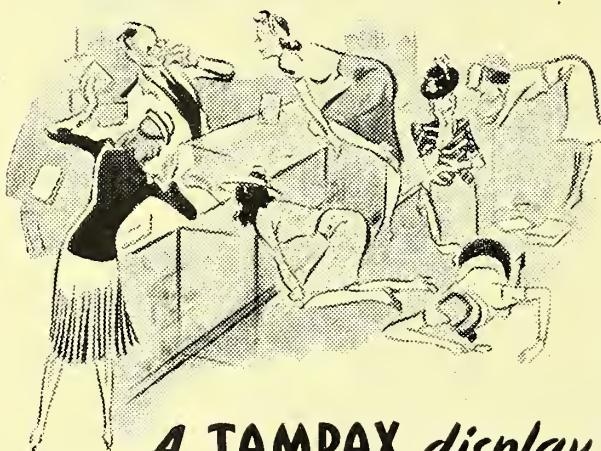
Yours faithfully,  
COUNTY PERFUMERY COMPANY LTD.

*N. F. Fabricius*  
(N. F. Fabricius)  
Managing Director.

P.S. NO DISCOUNT CAN BE ALLOWED ON THE AMOUNT OF PURCHASE TAX AS IT HAS TO BE PAID OVER IN FULL BY US TO THE TREASURY.



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in YOUR SHOP!*



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sends PROFITS soaring!*

The more you *display* Tampax the more you sell. Once women know they can get it in your shop you've got an assured regular demand. (Many Tampax customers have evacuated from their home towns and are settling into new areas. That's a *special* opportunity for the Tampax dealer). Tampax—compact and handy with an attractive pack and a lightning turnover—is the ideal show line: doesn't want much house room: doesn't gather dust on your shelves: makes a good show in your window and on your counter: gives you a useful profit on every sale.



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THE NEW  
VOLATILE VASOCONSTRICTOR

For Protection from—and Treatment of  
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EVERY danger produces its remedy. To combat the serious danger of widespread epidemics of nasal infection comes KARSODRINE—the *volatile* vasoconstrictor in the new pocket inhaler with only one cap to remove.

A modern scientific "talisman" which can easily be carried by anyone.

Used at the onset, Karsodrine will frequently abort nasal infection in a matter of hours, whilst in advanced stages of Head Colds, Catarrh, Sinusitis and Nasal Influenza, the symptomatic relief obtained is most marked.

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REASONABLE  
PRICE OF

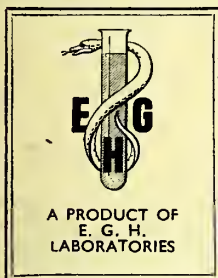
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(INCLUDING  
TAX)



**R** Each Karsodrine Inhaler contains

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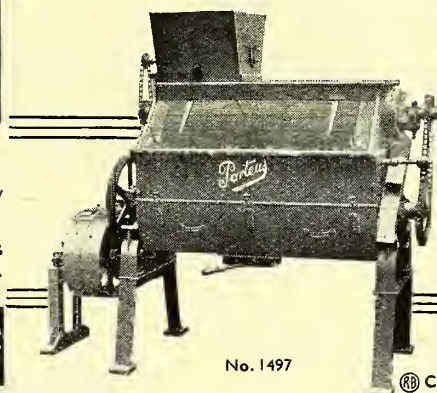
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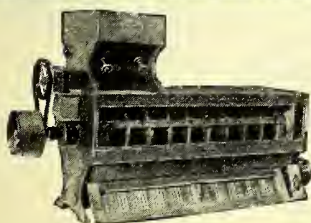


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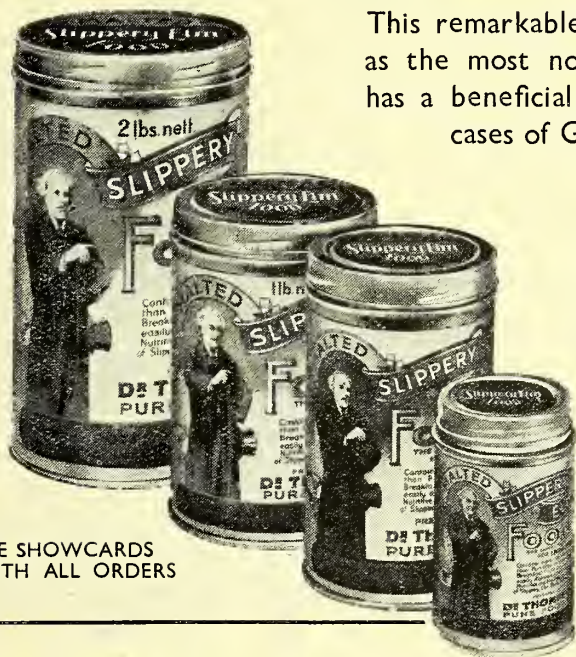
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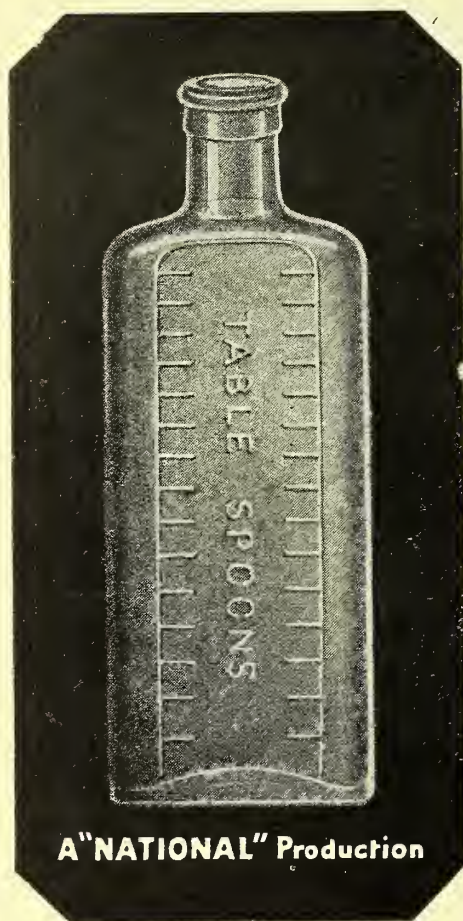
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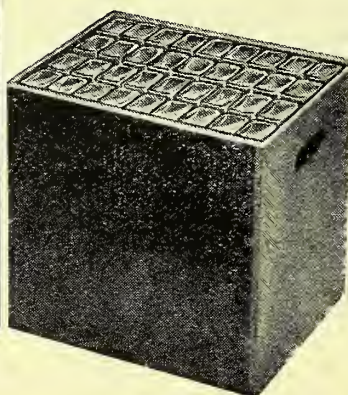
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## NEWS OF THE WEEK

**Current Trade Addresses.**—We publish with this issue a 4 pp. supplement, "Current Trade Addresses," consisting of an alphabetical list of firms in the trade who have changed their locations since August 1939.

**Invert Sugar Prices.**—An Order, dated February 6, has been made by the Minister of Food amending the Invert Sugar (Maximum Wholesale Prices) (No. 2) Order, 1940, by the substitution of a new schedule of maximum wholesale prices for invert sugar.

**Debts from the Channel Islands.**—Persons and firms who are owed debts or other moneys from the Channel Islands are reminded that such debts or other moneys should be registered with the Assistant Secretary, Finance Department, Board of Trade, Romney House (East Block), Tufton Street, London, S.W.1, from whom the necessary forms can be obtained.

**New Export Control Order.**—Under a Board of Trade Order which comes into force on February 27, export licences will be required for export to certain destinations of gum damar, beryllium ore, bismuth ore, mercury ore and silver ore. Details are given in the Export of Goods Control (No. 4) Order (S.R. & O., 1941, No. 173) which is obtainable from H.M. Stationery Office, Kingsway, London, W.C.2.

**Limitation of Supplies General Licence.**—A general licence has been made by the Board of Trade under the Limitation of Supplies (Miscellaneous) (No. 5) Order, 1940, permitting persons registered in respect of controlled goods of Class 12 (cameras, etc.) to supply controlled goods of that class without limitation to any police authority as defined by the Police Pensions Act, 1921.

**Trading with Rumania.**—The Board of Trade announce that the provisions of the Trading with the Enemy Act apply in relation to Rumania as they apply in relation to enemy territory, and that it is a punishable offence to have commercial, financial or other dealings with or for the benefit of any person in that territory. Inquiries should be addressed to the Trading with the Enemy Branch, Board of Trade, 24 Kingsway, London, W.C.2.

**Speeding Up War Risks Claims.**—The Board of Trade is making a fresh drive to speed up both payments on account and final settlements of claims under the commodity insurance scheme of the War Risks Insurance Act. Within the next few days directions prepared by the Board showing how this may be done are to be sent through the Board's agents—the insurance companies and Lloyd's, who issue the policies—to every trader in the country whose stocks are insured under the scheme. About 250,000 traders are so insured. Meanwhile, the Board calls attention to their readiness to facilitate prompt payments on account of claims where from any cause final assessment may be protracted or a trader is likely to suffer hardship from lack of financial means pending final assessment and settlement. Traders who have already sent full particulars of their claims to their insurance companies or Lloyd's and wish to obtain payment on account are invited to apply direct to the Board's assessor dealing with the claim. Where completed particulars of claims have not been given, a trader desiring payment on account should write to the agent—the insurance company or Lloyd's—through whom the policy

was issued. No special form is needed but the policyholder should state (a) the address of premises where loss occurred; (b) date and cause of loss; (c) nature of goods; (d) estimated amount of loss, allowing for salvage; (e) grounds of application for payment in advance of final settlement.

**Control of Vitamin B<sub>1</sub>.** Following the Government decision that all white bread shall be fortified with vitamin B<sub>1</sub>, the Minister of Food has made an Order, The Vitamin B<sub>1</sub> (Control) Order, 1941, operative on March 3, controlling the manufacture, production, use and sale of vitamin B<sub>1</sub>. The Order applies to vitamin B<sub>1</sub> in the form known as aneurin, as well as to any other salt of the vitamin B<sub>1</sub> base. It provides that except under a Ministry of Food licence, no person shall manufacture, produce or cause to be produced, sell or offer to sell or otherwise dispose of any vitamin B<sub>1</sub>, or use or cause to be used any vitamin B<sub>1</sub>, for the purpose of mixing it with wheaten flour or any other substance. Applications for licence under the Order should be made to the Ministry of Food, Colwyn Bay. The Order does not apply to the manufacture of any vitamin B<sub>1</sub> for medicinal, pharmaceutical and scientific purposes and no licence is required to trade in or use vitamin B<sub>1</sub> for such purposes.

**Pharmaceutical Students.**—The Pharmaceutical Society is making representations to the Ministry of Health concerning the classification of pharmaceutical students in the Schedule of Reserved Occupations. At present pharmaceutical students are reserved only after they have completed two years' training either as apprentices or in approved institutions. This provides for the present generation of students but only a few of those who had not begun their training at the outbreak of war will be able to take advantage of the concession. From now onwards very few students will have completed two years' training before they will be eligible for military service. It is important that the supply of students, and therefore of pharmacists, should not dry up—both in the interests of the army and of the civil population after the war. The Society has asked the Ministry to consider an alteration of the Schedule which will enable pharmaceutical students to be reserved at an earlier stage of their training, at the same time as they are considering a similar problem in connexion with medical and dental students.

### IRELAND

**Concert to Troops.**—Under the auspices of Steel Products, Ltd., razor-blade manufacturers, Carlow, a concert and film entertainment for officers and men of the 26th Battalion (Old Dublin Brigade) Eire Army was given at Collins Barracks, Dublin, recently. Messrs. M. J. McIlhatton, E. T. McCarron, F. X. Meagher, M.P.S.I., S. McDermott, and C. F. Ridgway, all directors of the company, were present.

**Chemists' and Druggists' Society of Ireland.**—A meeting of the committee of management of the Society was held in Belfast on February 6, Mr. Fred Storey (president) in the chair. MR. STOREY referred to the sudden death of Mr. W. Jamison, a brother of Mr. R. Jamison (a committee member) and a son of the late Mr. W. Jamison (a past-president and one of the earliest members). He proposed that a letter of sympathy should be sent to the relatives; this was seconded by Mr. S. Nevin and passed in silence, the members standing.



Mr. Storey said they had been called specially to consider a suggestion made at the annual meeting of the Society that the time had come when the Society should be wound up, and, if the suggestion were adopted, to take legal advice as to the disposal of the funds. Let them consider the position carefully, said Mr. Storey. If it was their considered opinion that the Society was of no further use and should be wound up, then a special meeting would be called and their findings placed before it. If, on the other hand, they thought the Society should be carried on, this would be reported to the annual meeting as the result of their deliberations.

**Discussion.**—MR. H. JOHNSTON said he came there at some inconvenience to himself to protest vigorously against the idea of winding up their Society, which had done so much for them and was still doing good work. He was not forgetful of the many benefits which he and the other members had obtained through the Society and their president Mr. Storey. He moved that the Society should be carried on. MR. S. NEVIN, seconding, could not understand any member thinking of winding up their Society. He had now been out of business for a good many years, but he always looked forward to meeting his old friends and colleagues and this Society was his only means of contact. He had not heard any member expressing a desire to wind it up. If any member was not satisfied with the Society or its work, he could resign. MR. H. MCQUITY, supporting, said they all recognised what the Society had done and that it would be there to help them again if occasion arose. MR. FRANK BOYLE said on no account should the Society be allowed to lapse. They must not forget its great usefulness in the past, and they could not tell when they might want its help again. Although some of them did not attend very often, they all knew the Society was there and could be relied upon. MR. D. TAYLOR said he was much against interfering with the Society; they had all worked well together and should carry on as long as they were able. MR. ABERNETHY said he had been spoken to by some members who thought their Society had served its purpose and should be wound up; that was why he had put forward the suggestion at the last annual meeting. It was evident that all the members present were in favour of carrying on the Society and he would not vote against the decision. Mr. Johnston's motion was put to the meeting and carried by all members present, with the exception of one who did not vote.

MR. STOREY said they had had a full discussion and he was glad to see that they wanted the Society to carry on. It was a fallacy to think there was nothing being done and no interest taken; for instance, they were represented on the Council of the Belfast Chamber of Commerce, they had three representatives on the Chemists' Benevolent Fund, they were represented on the rota of the Ministry of Labour, they had three representatives on the Pharmaceutical Council, and only that week the secretary had received a letter from the Minister of Public Security asking them to send a representative to a meeting in the City Hall in connexion with local defence. It was arranged to hold the annual meeting on Wednesday, March 5.

## SCOTLAND

**Glasgow Hostility to "Co-op" Amendment.**—Glasgow and South-western Scottish Branch of the Pharmaceutical Society discussed on February 12 the proposed amendment to Sections 8, 9, and 10 of the Pharmacy and Poisons Act, 1933. Professor J. P. Todd was the chairman. MR. J. J. McEWAN expressed the view that a major crisis was impending in pharmaceutical affairs. Members of the Society had been kept in the dark by the Council, and were now afraid the Council might agree to some modification of the Act that would be detrimental to their interests. As a result of the Hygienic Stores case, a certain interpretation had been put on the Act by the Courts. The effect of the Act on the trading activities of the co-operative societies had not at first been properly appreciated, but it now seemed that the Government was resolved to remove any difficulties in the way of the co-operative societies. The Council now seemed to think that the Act should be changed, but why, since the chain stores and the co-operative societies had not pressed for the necessary amendments when the Bill was passing through Parliament, should pharmacists' legal rights be taken from them now?

MR. JOHN WEIR said the Pharmaceutical Council had been forced into the open as a result of the London case. Pharmacists were being told that the co-operative societies

had not understood the full meaning of the Act and did not like it; the Home Office took up the same position. Yet it was strange that society branches had never been in any doubt as to what the Act meant. Chemists should tell the Home Office that the Act ought to be administered as it stood. What the co-operative societies wanted was not to make their grocery shops like chemists' shops, but to sell packed goods where the profit was; they did not desire to break bulk. The Act had been a compromise, and now the Home Office wished to destroy that compromise at the expense of chemists. There was nothing in the amendment to curb the activities of the co-operators, and if the suggestions made came from the Home Office the voice, declared Mr. Weir, was that of the co-operative movement.

MR. ROBERT WILSON deplored the Council's secretiveness. The Council should call for the Act to be operated as it stood, and take the consequences. The principle of dilution of labour was involved and for this no trade union in the land would stand. MR. COLIN CAMPBELL, Glasgow, asked if it was more advantageous for chemists to press for the amendment or to get the co-operative societies to legalise their position.

MR. JOHN WEIR, replying to Mr. Campbell, said if it had been sound business for the co-operative societies to turn their grocery shops into chemists' shops, they would long ago have done so. The co-operators were among the biggest capitalists in the country. If they wanted the Act amended it was for them to show reason for it. PROFESSOR TODD said it was clearly to the benefit of the co-operative societies to amend the Act and equally clearly to the advantage of the individual pharmacists to keep it as at present. MR. A. OFFICER, Glasgow, said that after an Act became law it was sometimes found that a mistake had been made, but it took a long time to get that mistake rectified. There seemed to be some great desire to have this Act amended rapidly, and he was suspicious on that account of the interests behind the movement. The Council had a moral obligation to protect the interests of members, and a legal obligation to carry out the provisions of the Act. He would be afraid to entrust his future interests to the care of those who shirked this duty. He was not afraid of the co-operative societies: they would not find it easy to secure registered pharmacists to run their businesses. The Courts had put a certain interpretation on the Act, and members present should send a resolution to the Council urging it to resist any attempt to change the Act.

MR. D. GEMMELL said there was an element of unfairness in the business, and discrimination was being shown as between the co-operatives societies and the pharmacists. MR. C. A. BUTCK, Port Glasgow, said the Council had gone behind members' backs, and chemists would be the losers. It was for the Council to use the powers they had to protect chemists' interests. What was needed was for them to get together and press for the passage of a Medicine Bill through Parliament.

MR. J. J. McEWAN proposed the following resolution: "That this meeting of the Glasgow and South-western Scottish Branch of the Society is of opinion that no amendment is necessary to Sections 8, 9, and 10 of the Pharmacy and Poisons Act, 1933, and gives notice that if any such amendment is proposed it will be strenuously opposed by the Branch." MR. BUTCK seconded and the resolution was adopted.

Thereafter discussion developed on fire-watching arrangements for chemists' premises, Messrs. McAdam, W. Spence Culbert, and Weir contributing.

**Co-operative Pharmacies.**—Addressing a Co-operative conference at Grangemouth recently, MR. W. A. McPHAIL (a director, Scottish Co-operative Wholesale Society) said that there were now twenty-six drug departments under the Society.

**Pharmaceutical Sugar Supplies.**—A questionnaire has been sent to chemists by Food Control Committees in Scotland to ascertain whether sugar supplied for pharmaceutical purposes is used for B.P. and B.P.C. preparations or for other preparations, including proprietary medicines.

**Kirkcaldy Chemists' Stand on Closing Hours.**—Kirkcaldy chemists have successfully resisted an effort by the Burgh Insurance Committee to compel chemists under contract with the Committee to close at 7 p.m. nightly. The local Chemists' Association secured the approval of the Town Council for an earlier closing during the blackout, insisting that there was not sufficient business to justify remaining open after dark. The hours now adopted are 6, 6.30 or 7 p.m. as conditions demand.



## COMPANY NEWS

**P.C. means Private Company and R.O. Registered Office**

**P. P. SMITH, LTD. (P.C.).**—Capital £500. Objects: To acquire the business of a retail chemist carried on by Percy P. Smith at 170 Westgate, Bradford. Percy P. Smith, Catherine A. Smith, M.P.S., and Fanny Smith, directors. R.O.: 170 Westgate, Bradford.

**BIO-COLLOIDS, LTD. (P.C.).**—Capital £100. Objects: To carry on business as manufacturers of and dealers in chemicals, drugs, etc. J. F. Moseley, The Laurels, Barrington Road, Altrincham, and Desmond Allen, 141 Bramhall Lane South, Bramhall, Cheshire, directors. R.O.: Old Warehouse, Altrincham Bridge, nr. Manchester.

**T. H. & W. R. BUSHELL, LTD. (P.C.).**—Capital £4,000. Objects: To carry on business as cork merchants and dealers, etc. G. K. Cook, 24 North John Street, Liverpool, T. E., L. V., C. F., and G. A. Bushell, all of Bushell's Buildings, Springfield, Liverpool, directors. Solicitors: Quinn, Dixon & Co., 22 Lord Street, Liverpool.

**J. H. P. BOLTON, CHEMISTS, LTD. (P.C.).**—Capital £2,000. Objects: To carry on business as chemists, druggists, manufacturers of and dealers in surgical and photographic requisites, etc. Ella M. Bolton, Brendon, Hoppers Road, Winchmore Hill, London, N.21, and George Nicholson, M.P.S., 6 Hiscott Terrace, Vicars Moor Lane, N. 21, directors. R.O.: 28 The Green, London, N.21.

**ROBERTS ORME & Co., LTD. (P.C.).**—Capital £2,000. Objects: To acquire the business of a chemical manufacturer and distributor carried on as "Roberts Orme & Co." at 15 Clare Street, Bristol, by Frederick Roberts Orme. F. R. Orme, Eldon, Long Ashton, Bristol, W. E. Stevens, 32 Langley Road, Chippenham, and I. B. Bollom, directors. Solicitors: Bayliss, Rowe & Co., Bristol.

**BORAX CONSOLIDATED, LTD.**—Profits for the year ended September 30, 1940, amounted to £464,148, compared with £425,644 in the previous twelve months.

**DIXOR, LTD.**—Mr. George Harrop, chairman and managing director, reported at the fourth annual meeting of the company on February 7 that, in view of restrictions that had adversely affected the company's sales in the last few months of 1940, profits had fallen from £38,121 to £34,473, a drop of about 12 per cent. After making provision for dividend on

and redemption of preference shares, income tax, and National Defence Contribution, there remained a balance that would permit payment of final dividend on ordinary shares comparable with that paid last year, but the directors proposed, for the sake of prudence, to limit the dividend to 15 per cent., making 30 per cent. for the year. The company's cash position was strong. The report was adopted.

**WINDING-UP PETITION.**—A petition for the winding-up of British Beautifying Products, Ltd., presented by Contactif, Ltd., 120 George Street, Croydon, creditors, will be heard before the High Court on February 24.

**CREDITORS' MEETINGS.**—Notices are given in "The London Gazette" of meetings of creditors of British Pasteur Chamberland Filter Co., Ltd., at Eldon Street House, London, E.C.2, at noon on February 20; of members and creditors of P. W. Guy (Chemists), Ltd., at Kimberley House, Holborn Viaduct, London, at 11.45 a.m. and noon on March 18; of members and creditors of Albion Pharmacy, Ltd., at 35 Windsor Place, Cardiff, at noon and 12.15 p.m. on March 14; of members and creditors of Pratts (Chemists), Ltd., at 14 Holborn Viaduct at 11.45 a.m. and noon on March 11; and of creditors of Keans (Chemists), Ltd., at 2 Albion Place, Leeds, 1, at noon on March 3.

**Voluntary Liquidation.**—IRIS (SURREY), LTD., manufacturing chemists, Wellesley Road, Croydon, Surrey. The statutory meeting of creditors was held recently in London, when a statement of affairs was submitted showing liabilities of £2,035. After allowing £98 for preferential claims, the net assets were £136, or a deficiency, as regarded the creditors, of £1,898. There was a quota, of estimated value £400, which, if realised, would augment the assets. Issued capital was £500; so far as the contributories were concerned there was a deficiency of £2,398. The company was incorporated in November 1929 with a nominal capital of £500, in 500 ordinary shares of £1, all subscribed for in cash. Recently, owing to war conditions, it had been found impossible to continue trading. A resolution was passed confirming voluntary liquidation, with Mr. J. R. Wilson, 6 Wardrobe Court, London, E.C., as liquidator.

## TOPICAL REFLECTIONS

**The Council and the Act.**—Your public-spirited action in soliciting the views of the individual members of the Pharmaceutical Society's Council on the Government proposal for amending the Pharmacy and Poisons Act, 1933, has resulted in replies of much value (p. 93). I trust that all of them, the negative as well as the positive, will be read with the care they deserve. Nineteen actual out of twenty-four possible replies constitute a good "bag," and it may be supposed that some at least of the missing five were delayed accidentally. In different phrasing, every one of the nine councillors who has expressed definite hostility to the proposed amendment has clearly set forth the fundamental objection to it, namely, that in legalising the at present illegal it would mark a retrograde step in the history of poison legislation. From your report of the Society's February council meeting (p. 92) it appears that sixteen of the branches had up to that date forwarded resolutions adverse to the proposed amendment—a large number in view of the infrequency of chemists' meetings in war conditions. The sophistry of the suggestion "provided that they did so [i.e., sold drugs] only as an incidental part of a business mainly of another character" is almost too obvious for discussion. What would be held in law to constitute "an incidental part"? Would 9 per cent. of turnover in this kind of trade *plus* 51 per cent. in some other kind or kinds fall within the scope of the definition? This is the kind of wrangle to which we should be committed if we adopted an "appeasement" policy.

**A Serious Restriction.**—The new ruling of the Board of Trade on the small-scale production of toilet preparations (p. 97) is, one would have supposed, a needless restriction on the freedom of the small trader to make a living in an open market. As you point out, the Board has suddenly changed its mind. There is some virtue in the expression "producing

similar goods prior to July 23, 1940," which I take to imply that additions to existing lists of such preparations can be made by those qualified under the time limit to manufacture. And what is to become of pre-February-10 stocks? Your suggestion that a pharmacist will probably be acting legally if he "makes up" a cream or other toilet preparation at the request of a customer would have a humorous aspect if the occasion was less grave. Will such orders have to be treated as prescriptions, with an entry in the prescription-book and possibly a cross-reference in some hitherto unknown register introduced for the purpose?

**Viability of Seeds.**—In these days of almost universal gardening your note on the effective "lives" of certain vegetable seeds is of wide topical interest. Various methods of storing seeds—for instance, in carbon dioxide—have been tried with varying results, something depending, no doubt, on the condition of the seeds before storage. The general question was investigated on the evidential side by J. H. Turner in the Kew "Bulletin of Miscellaneous Information" in 1933 ("Bulletin" No. 6, p. 257), and he added a bibliography on the subject. Going further back, the legendary viability of ancient Egyptian wheat is accounted for by the fact that for centuries the natives of Egypt have used the halls of tombs for storing wheat and barley, with the consequence that any guess as to the age of any particular specimen derived thence is quite untrustworthy. The Egyptian climate will, in fact, do wonders in preserving metals from rust, but the lengthy preservation of organic matter is a different problem. Mr. Turner mentioned that seeds of *Cassia tricapularis* have been authentically known to germinate after eighty-seven years; and it may be that in favourable circumstances this length of time can be exceeded by seeds from some botanical species.

**Xrayser**



## LEGAL REPORTS

**Sale of an Asthma Remedy.**—In the King's Bench Division of the High Court, London, on February 17, Mr. David Lewis, Hamilton View, Leeds, sued Moore Medicinal Products, Ltd., manufacturing chemists, Burlington Gardens, London, for £150, the price of the sale of his business to the defendants, and £65 wages in lieu of notice, arrears of wages and commission. The defendants were not represented.

Mr. Lewis said that soon after the outbreak of war he began manufacturing a preparation known as Asmavadrin for the treatment of asthma. Its constituents were the same as in a German preparation which had been sold in this country before the war. In November 1939 he read an advertisement by the defendants, who apparently also had the idea of manufacturing a British substitute, and subsequently had an interview with them. They agreed to appoint him their representative in the North and to purchase his rights in his preparation and stock worth about £90. He was employed by them until February 1940, when he was dismissed without notice. They had not paid him for his business or commission.

Giving judgment for Mr. Lewis for the amount claimed, Mr. Justice Hilbery said that judgment was not to be entered for seven days because some unforeseeable circumstance might have prevented the defendants from attending or being represented in Court.

**Limitation of Supplies Prosecution.**—Hispano-Britannic Co., Ltd., wholesale distributors of hosiery, fancy goods, and perfumery, Regent Street, London, W., were at Bow Street Police Court on February 13 fined a total of £300 and ordered to pay £21 costs by Mr. Boyd for contraventions of the Limitation of Supplies (Miscellaneous) Order, 1940. The summonses accused them of supplying, between June and November, controlled goods exceeding in value two-thirds of the value of goods supplied in the corresponding period of 1939. On similar summonses against the five directors Viscount Hill, Whitechurch, Shropshire, was fined £120 with £9 9s. costs; Archibald Stammers Sinnatt, Ilford, was fined £300, with £21 costs; Juan Palomero Cantos, Porchester Court, W., £150, with £9 9s. costs; Duncan Shaw MacLellan, Glasgow, £120, with £9 9s. costs, and Edward Gregory Knowles, Broughton, Preston, £120, with £9 9s. costs. For failing to cause proper books of account to be kept, Sinnatt was fined a further £200, and the other directors £20 each. Defendants pleaded guilty.

Mr. Eric Dean, prosecuting for the Board of Trade, said the Order provided for the registration of every manufacturer and wholesaler dealing in controlled goods, and prohibited them carrying on business unless they were so registered. The registered person could only supply to retailers goods proportionate to those supplied during an equivalent period in 1939, commonly called a quota. Except under a licence no person registered in relation to any class of controlled goods, was allowed to supply a total quantity of such goods exceeding in value two-thirds of the value of those supplied during the corresponding period beginning June 1, 1939, and November 30, 1939. It was clear that persons who did not supply goods in any class during the standard period in 1939, could not supply any of those goods during the restriction period. Mr. Dean said the Hispano-Britannic Co. was incorporated on April 13, 1940, with a nominal capital of £5,000. They accordingly did not supply goods in 1939, and therefore had no quota and could not supply any controlled goods to unregistered persons. They could, however, on becoming registered, obtain unrestricted supplies for export. The case against the company was that they had sold to retailers in this country enormous quantities of goods mentioned in Classes 3, 10 and 16, although no quota had been allotted.

Mr. Brundrick, for the defence, said that the breach of the Order had been quite unintentional. The regulations were difficult to follow, and the defendants did not realise that what they did was illegal. The company was formed with the intention of trading with Spain. Shortly afterwards it seemed that Spain was falling into the Axis net and export licences to that country were refused. Permission was then sought from the Board of Trade for goods destined for Spain to be disposed of in this country. Sinnatt thought it was only necessary for the company to be registered under the Order; he did not realise that a licence also was required. The other directors merely trusted everything to Sinnatt, who was in entire charge of the business. Lord Hill did not even come to London, and knew nothing of what was going on. He assumed that what was being done was with the concurrence

of the Board of Trade. This also applied to Knowles and MacLellan. Cantos was to have been in charge of goods going to Spain, but none were sent there. With regard to the account books, there was unavoidable delay in writing them up, due to the accountant having joined the Army. There was nothing underhanded about not keeping the books up to date. The magistrate said there had been grave irregularities. The directors might not have known all that they had to do under the Order, but they should have known.

## MEETING AT MANCHESTER

At a meeting of the Manchester Pharmaceutical Association and Branch, on February 12, a series of "fifteen-minute papers" was contributed by members.

Mr. N. O. Herdman, M.P.S., dealt with "The Sulphonamides Simplified." He said the history of sulphonamide therapy began in 1908, when Gelmo synthesised sulphanilamide at Vienna, but no work was at that time undertaken on its therapeutic properties. He traced developments to 1935, when Domagk stated in a paper that Prontosil, when given by the mouth in small doses, prevented the evolution of fatal haemolytic streptococcal infections in rabbits. In general, the results obtained in the treatment of staphylococcal and gonococcal infections in human beings was not satisfactory. During 1936 many important papers appeared on the clinical use of *p*-aminobenzenesulphonamide, and in 1937 the Council of the American Medical Association suggested that the drug should be given the name sulphanilamide, which was later universally adopted. In France a new compound was synthesised, later introduced as Proseptasine, an active soluble variant of which was marketed under the name Soluseptasine. Towards the end of 1937 Ewins and Phillips synthesised 2-sulphanilyl-aminopyridine, which later became known as M. and B.693, Dagenan or sulphapyridine. This compound, after clinical tests, proved effective in pneumococcal infections in human beings, as well as in other acute infections. Early in 1938 the research laboratories of May & Baker prepared a number of compounds analogous to Dagenan but containing a thiazole group in place of the pyridine group. Experimental evidence appeared to indicate that these compounds, marketed as thiazamide, and frequently referred to as sulphathiazole, were somewhat more effective against *Staphylococcus aureus* than Dagenan.

"Blood Transfusion" was the subject of a paper by Mr. J. S. Cannell, M.Sc., Ph.C., who said that in the last few years the number of blood transfusions carried out had increased, a result made possible by the use of stored blood and plasma. Formerly it was necessary for the donor to be brought to the scene of the transfusion, and it was thus impracticable to transfuse army casualties at more advanced stations. Plasma, on the other hand, can be stored without deterioration for many months. Mr. Cannell described how blood was taken from the veins of donors. Blood not used for transfusion within three days, he said, is used for the preparation of plasma. After standing for some time, the blood consists of a layer of cells covered by a fluid layer; this is the plasma. It may be syphoned off, under aseptic conditions, into a stock bottle containing normal saline. The plasma is separated from the cells in a centrifuge, and the plasma so obtained is filtered through a thick layer of paper pulp. This removes fat and any cells that may have remained in the plasma. It is then sterilised and bottled. From 100 to 150 pints of plasma can be sterilised in one batch. Research, said Mr. Cannell, was proceeding into the technique of blood transfusion by dried plasma and it seemed certain that big advances would be made.

"Sixty Years in the Drug Trade" were described by Mr. Edwin Walters, M.P.S., who said his connexion with pharmacy began in 1880, twelve years after the passing of the 1868 Act by which the sale of poisons was regulated. He was apprenticed in an industrial town where the chemist had to make practically everything. The work was varied, and in addition to drugs they mixed and sold paints. The hours were from 8 a.m. to 10 p.m. Mr. Walters spoke of representatives of wholesale firms he had known who had been of great service to the retail chemist. In the '90's, price cutting became rampant and business became difficult, but Mr. W. S. Glyn Jones, afterwards Sir William, arose and founded the Proprietary Articles Trade Association. This had proved of inestimable value to the drug trade and given it a solid foundation. There was a future for pharmacy, thought Mr. Walters, but much depended upon the men themselves.



# WAR-TIME COSMETIC FORMULAS

## III.—Liquid Creams

Liquid creams and complexion milks introduced during recent years have been advocated for many different purposes. Their chief field of usefulness is as a powder foundation, as a hand lotion, or for cleansing the skin without leaving the greasy surface that usually results when cleansing creams are used. As most liquid creams contain a high proportion of water, they can be regarded as possessing skin-cooling and freshening properties. For whatever purpose they are intended, it is important that they should be perfectly stable emulsions without any tendency to separate into layers. When the amount of oily constituents in the cream is small, it is not difficult to ensure stability, but when the proportion of oils and fats is relatively high, it is necessary to make use of auxiliary emulsifiers, i.e. substances which are not in themselves emulsifying agents but which thicken and stabilise emulsions containing active emulsifiers. Examples of such auxiliary emulsifying agents are the higher alcohols, and esters of glycerin and glycol.

Perhaps the most popular type of liquid cream at the present is the stearate or vanishing type, which consists essentially of stearic acid partially saponified with a suitable alkali. The unsaponified free stearic acid is emulsified with the stearate soap formed on mixing the alkali and stearic acid, and acts as an auxiliary emulsifier, producing a thick, stable emulsion. On application to the skin, the cream loses its water by evaporation, leaving a thin, soapy but invisible film. If, at this stage, the cream were rubbed further into the skin the residue would "roll" unless sufficient emollient were present. A small proportion of glycerin or glycerin substitute should therefore be incorporated. Various glycol ethers are used as glycerin substitutes, while thick sorbitol solutions hydrate the cream without dehydrating the skin and are unlikely to cause irritation. Cetyl alcohol can also be used, both as an emollient and as an auxiliary emulsifier, and it possesses the useful property of counteracting the natural lustre of the skin. For ready absorption by the skin, only vegetable or animal oils and fats should be used. Lecithin and cholesterol are often employed. It is desirable, when using glycerin, that its presence be reduced to the minimum in creams intended for use on the face, for an excess of glycerin

is often irritating to some skins, sometimes causing excessive dehydration; it may result in unnecessary stickiness. The softening property of a liquid cream can be increased by addition of certain fats, such as cacao butter, spermaceti, etc.

**Mucilaginous Creams.**—Many modern liquid creams contain mucilages, which have the property of imparting a certain "silkeness" to the skin. They also thicken and stabilise the cream. Among the mucilages used are tragacanth, karaya and quince. Other materials that are useful ingredients of liquid creams are glyceryl or glycol monostearates, which, being auxiliary emulsifying agents, are usually supplied commercially containing a little soap or other effective emulsifier. These stearic acid esters act as emollients and produce creams superior to those based simply on emulsified stearic acid. It should be noted, however, that monostearate creams do not exhibit the "pearliness" of the latter. The type and amount of auxiliary emulsifying agent present has a considerable effect on the viscosity of the cream, the greater the amount present the thicker being the cream. The product becomes thicker, too, as the proportion of internal phase, i.e. oil and fat, increases; lanolin or other water-in-oil emulsifying agent is much more active in this respect than mineral oil or soft paraffin. As a preservative for liquid creams the addition of 0.1–0.2 per cent. of methyl *p*-hydroxybenzoic acid is recommended, the higher proportion being desirable in creams containing mucilages.

**Method of Preparation.**—The general principle to be followed in preparing liquid creams is that the oils and fats are melted in one vessel, and the water-soluble substances heated in another. When both liquids are at the same temperature they are mixed, vigorously at first, and then only fast enough to ensure uniform cooling. In creams containing mucilage, some of the water required in the formula is used for preparing the initial mucilage, which is added to the emulsion after emulsification has been completed by the first mixing. The desired perfume is added when the cream has cooled. As the stability of a liquid cream depends to a large extent on the size of the internal phase particles—oils and fats—the most satisfactory results are obtained if a homogeniser is employed.

1.					
Powdered soap	..	..	..	..	1.0
Anhydrous lanolin	..	..	..	..	10.0
Borax	..	..	..	..	0.5
Water	..	..	..	..	88.0
Perfume	..	..	..	..	0.5

2.					
Stearic acid	..	..	..	..	4.0
Glycerin	..	..	..	..	10.0
Spirit	..	..	..	..	5.5
Potassium hydroxide	..	..	..	..	0.5
Water	..	..	..	..	79.5
Perfume	..	..	..	..	0.5

3.					
Cetyl alcohol	..	..	..	..	2.7
Powdered soap	..	..	..	..	0.63
Glycerin	..	..	..	..	0.18
Almond oil	..	..	..	..	0.67
Spirit	..	..	..	..	0.9
Perfume oil	..	..	..	..	0.3
Water	..	..	..	..	94.62

4.					
Stearic acid	..	..	..	..	4.0
Glycerin	..	..	..	..	7.0
Spermaceti	..	..	..	..	3.0
Cacao butter	..	..	..	..	2.0
Potassium hydroxide	..	..	..	..	0.4
Titanium dioxide	..	..	..	..	1.0
Water	..	..	..	..	82.1
Perfume	..	..	..	..	0.5

5.					
Glyceryl monostearate	..	..	..	..	2.5
Sorbitol	..	..	..	..	5.0
Vegetable oil	..	..	..	..	1.5
Water	..	..	..	..	90.5
Perfume	..	..	..	..	0.5

6.					
Cetyl alcohol	..	..	..	..	3.0
Stearic acid	..	..	..	..	1.0
Tragacanth	..	..	..	..	0.4
Spirit	..	..	..	..	1.0
Water	..	..	..	..	94.6

Melt the stearic acid and cetyl alcohol, add to the mucilage heated to the same temperature, and stir vigorously.

7.					
Stearic acid	..	..	..	..	1.5
Potassium hydroxide	..	..	..	..	0.2
Quince seed	..	..	..	..	1.0
Karaya gum	..	..	..	..	0.3
Glycerin	..	..	..	..	15.0
Cetyl alcohol	..	..	..	..	0.5
Lanolin	..	..	..	..	1.0
Perfume	..	..	..	..	0.5
Water	..	..	..	..	80.0

8.					
Cetyl alcohol	..	..	..	..	3.0
Lanolin	..	..	..	..	1.0
Lactic acid	..	..	..	..	1.0
Arachis oil	..	..	..	..	2.0
Sodium lauryl sulphate	..	..	..	..	0.5
Water	..	..	..	..	92.0
Perfume	..	..	..	..	0.5



## TRADE NOTES

**WINOX**, a meat and malt tonic wine, is advertised in this issue by Brooks & Warburton, Ltd., 232-242 Vauxhall Road, London, S.W.1.

**QUINOLOR OINTMENT**.—Savory & Moore, Ltd., Lawrence Road, Tottenham, N.15, inform us that they are now manufacturing Quinolor brand compound ointment, Squibb. Literature concerning this product is available on request.

**SUN-RAY LAMPS**.—The distribution of Perihel sun lamps is now being carried out by Perihel Ltd., 10 Cullum Street, London, E.C.3. Previously, two distinct companies were in charge of home and export sales but the increased demand for this product has induced the proprietors to combine their activities. Mr. F. C. Beckett has been co-opted to the board of the company. Authorised distributors of the lamps are being appointed throughout the country and their activities will be supported by local and national advertising.

**GENTIAN VIOLET JELLY**.—The British Drug Houses, Ltd., Graham Street, London, N.1, have issued a preparation containing 2 per cent. gentian violet and 0.02 per cent. sodium ethyl mercuri-thiosalicylate for the treatment of second degree and third degree burns. Although a jelly containing 1 per cent. gentian violet has hitherto been employed, in practice it has been found that the optimum concentration of gentian violet is actually 2 per cent. A leaflet giving fuller details may be obtained on request.

**ANTI-GAS OINTMENT, NO. 2**.—Considerable interest has always been taken in anti-gas ointment No. 2 and the official formula has been disclosed to only a few manufacturers. Supplies of the ointment are now available for the civilian population and chemists may obtain 1 oz. and 4 oz. jars from the authorised makers, including Evans Sons Lescher & Webb, Ltd., Hanover Street, Liverpool, who give particulars of retail prices and trade terms on another page.

**CANADIAN APPRECIATIONS**.—J. F. Macfarlan & Co., 8 Elstree Way, Boreham Wood, Herts, have received many letters of thanks from overseas for their "Calendar-Memo Pad." The following are abstracts from Canadian letters . . . very sincere thanks and appreciation for the attractive calendar and memorandum pad. . . . It is very wonderful how you "carry on" (Montreal). . . . The "Memo-Pad" is so neat, small and compact that I will be able to carry it in my pocket (Manitoba). . . . your "Memo-Pad" reached me an hour ago. . . . many thanks and best wishes for 1941 (Brandon, Manitoba). . . . Thank you for the "Calendar-Memo Pad." We take off our hats to you wonderful people in the Home Land (Toronto).

**LACTO-CALAMINE**.—The Crookes Laboratories (British Colloids, Ltd.), Park Royal, London, N.W.10, ask us to draw the attention of our subscribers to the difficulties concerned in supplying chemists with preparations which are subject to quota restriction and particularly in respect of Lacto-Calamine, the quota of which is 25 per cent. Messrs. Crookes say that some of their customers have been disappointed because they have been unable to obtain the supplies of Lacto-Calamine to which they claim to be entitled. To ration customers in accordance with their previous orders is almost impossible and, after a warning in the trade Press that they could not act in this manner, they served all customers without discrimination and in strict rotation until their quota was reached.

### Proprietary Articles Trade Association

**Additions and Alterations to Protected List**.—(Unless otherwise stated, prices include purchase tax.) *Evan Williams Co., Ltd.*, The following display terms have been withdrawn: 5 per cent. on 30s. parcels; 10 per cent. on £3 orders. The 2½ per cent. discount for cash is still available; carriage is paid on 15s. orders.—*Optabs, Ltd.*, Optabs, bottles of fifty, 3s. 4d., 28s. doz.; 100's, 5s. 7d.; 46s. 8d. doz.; tubes of ten, 10d., 7s. doz.; box of eight tubes, 5s. 7d., 46s. 8d. doz.; box of thirty-six tubes, 22s. 3d., 186s. 8d. doz. Unstamped for dispensing: bottles of fifty, 3s. 3d., 21s. doz.; 100's, 5s. 5d., 35s. doz.; box of eight tubes, 5s. 5d. 35s. doz.; box of thirty-six tubes, 21s. 8d., 160s. doz. Display parcels to retail value of £1, less 5 per cent. and 5 per cent. for settlement; orders value £5 retail, less 12½ per cent. and 5 per cent. for settlement.—*Bengué & Co., Ltd.*, Dr. Bengué brand dragées, 2s. 6d., 20s. 11d. doz.; Dr. Bengué brand Eupurgo, 2s., 16s. 11d. doz.—*Potter & Moore, Ltd.*, Alteration of terms to retailers: From February 1, basic retail selling prices have been subject to 30 per cent. discount.—*R. J. Reuter Co., Ltd.*, 4711 Sir brushless shaving-cream, 1s. 3d., 11s. 11d. doz.

**Deletion from List**.—*Packer Manufacturing Co., Ltd.* (Agents *J. C. Gambles & Co., Ltd.*), Packer's pine-tar soap.

## HINTS TO EXPORTERS

STEPS are being taken by the Board of Trade to accelerate the shipment of goods for export. Exporters who experience difficulties in obtaining rail transport are advised to get into touch promptly with district goods officers of the railway companies. Difficulties can also be dealt with by the Board of Trade representatives on the area boards under whom, in some areas, Board of Trade transport officers are already working. Exporters should also be guided by their own agents as to the right time for sending their goods forward. Considerable delay has apparently been caused, and in some instances goods have had to be sent all the way back from docks to the manufacturers, by failure of a number of exporters to acquaint themselves and comply with the export control requirements that are essential in war-time. Before goods leave the country it is necessary that full details about them be supplied to the Customs authorities so that the goods can be "pre-entered" and checked. Particulars of pre-entry requirements may be obtained from the Customs. Full information about exchange control can also be given by the Customs or by any bank. Shipment of goods for export will be considerably speeded up if every exporter will see that so far as possible entry forms have passed through the Customs before goods are sent to the docks. Customs authorities have speeded-up procedure. For certain Empire destinations they have suspended for a trial period the requirement of pre-entry for goods not on the prohibited list. After acquainting themselves with what is required, exporters should complete the necessary forms or give their shipping agents the necessary information to complete them as much in advance of the prospective date of shipment as possible. Where a currency declaration (Form C.D.3) is required for exchange control purposes, this should be completed by the exporter and submitted to the Customs with the pre-entry.

## IMPORT LICENSING

THE Board of Trade announce (Notice to Importers, No. 115) that as from February 17, revised arrangements will operate in respect of the issue of licences to import oils (other than mineral oils) and oil seeds.

(1) Inquiries and applications for import licences for the following commodities should be submitted, in duplicate, to the Ministry of Food, Oils and Fats Branch, Pwll-y-crochan Hotel, Colwyn Bay:—*Oils*—Arachis oil (groundnut oil), castor oil, cocoa butter, coconut oil (copra oil), cod liver oil, cottonseed oil, fish-liver oil for vitamin concentrates, fish and marine animal oils (herring, pilchard, sardine, seal, shark, sperm, whale), halibut liver oil, illipe oil, kapok-seed oil, lard oil (triolein), linseed oil, maize oil, neat's-foot oil (trotter oil), niger-seed oil, olive oil, palm oil, palm-kernel oil, perilla oil, poppy-seed oil, rape-seed oil (colza oil), sesame oil (simsim, oil of India, benne, gingelly, teel), shea butter or oil, soya oil, sulphonated higher alcohols, tea-seed oil, turkey red oil and other sulphonated oils. *Seeds, Nuts, etc.*—castor, copra, cotton, gingelly (sesame seed), ground nuts (arachide, pea or monkey nuts), decorticated and undecorticated, illipe nuts, kapok, linseed (flax seed), niger, palm kernels, rape, shea nuts, soya beans, sunflower seed.

(2) Inquiries and applications for import licences for the following commodities should be submitted, in duplicate, to the Ministry of Food, St. John's College, Oxford. *Seeds, etc.*—Anise, caraway, cardamom, celery, coriander, cumin, dill, parsley.

(3) Inquiries and applications for import licences for the following commodities should be submitted to the Import Licensing Department, Board of Trade, 25 Southampton Buildings, London, W.C.2. Only one copy of the application form is required:—*Oils*—All essential oils, also dipentene, ezra, Kelly watch oil, hemp-seed oil, hydnocarpus oil, jouvain oil, iticicia oil, peach-kernel oil, pine oil, pinene, rosin oil, rubber-seed oil, stillingia oil, tall oil (liquid rosin), tung oil (china wood oil), turpentine, turtle oil, walnut-seed oil. *Seeds*—Croton, cubebs, hydnocarpus.

An open general licence permits, without separate licence, the importation of essential oils, natural or synthetic, including terpeneless oils, and mixtures thereof, from (i) any part of the British Empire (except Hong Kong, Palestine and Transjordan) provided that a claim to Imperial preference is established in respect of any duty of Customs to which the goods as a whole may be liable on importation into the United Kingdom, (ii) Palestine and Transjordan, or (iii) French Equatorial Africa, French Cameroons, French Possessions in India or French Possessions in the Pacific. No applications for licences to import (a) mixtures of essential oils, natural or synthetic, or (b) terpeneless (including sesquiterpeneless) oils from foreign countries can be considered at present. Forms of application can be obtained from the Import Licensing Department or any Collector of H.M. Customs and Excise.



## RECENT RESEARCH

**Stabilised Krameria Extract.**—A method for stabilising fluid extract of krameria is described by Du Bois and Lee in "Pharmaceutical Archives" (Vol. II, No. 6, p. 99). Since sulphite compounds have been found effective in preventing tannin loss and discoloration of aqueous solutions of tannic acid, a study of their effect on the stability of fluid extract of krameria was undertaken, this extract having been chosen as representative of the astringent galenicals. Samples of the fluid extract were prepared according to the procedure of the N. F. VI, and to one fluid extract 0.1 per cent. of sodium sulphite was added. A control sample contained no antioxidant. The samples were stored where they were protected from light. They were assayed immediately after preparation and at intervals during 120 days. At the end of 120 days the sample containing no antioxidant had lost 10.05 per cent. of the original tannin present, while that containing the sodium sulphite had lost only 5.16 per cent. of the original tannin content. The results indicated that 0.1 per cent. sodium sulphite was partially effective in preventing loss of tannin. Sodium bisulphite was used in place of sodium sulphite in another experiment because of its greater solubility in the fluid extract. Varying concentrations were added to several samples, which were assayed, to determine the tannin content, immediately after preparation and at the end of ninety days. The results showed that while two control samples lost 8.99 and 10.28 per cent. of total tannin respectively in ninety days, samples containing 0.5 per cent. of sodium bisulphite lost 1.28 per cent. and those containing 1.0 per cent. of the antioxidant lost 1.08 per cent. of tannin in the same period.

**Isotonic Medications for the Nose.**—Objections to the use of oily solutions for medicaments intended to be applied to the mucous membranes of the nose are enumerated by Robinson and Goldner in the practical pharmacy edition of the "Journal of the American Pharmaceutical Association" (1940, II, 410). The authors suggest alternative formulas using an aqueous vehicle isotonic with the blood serum. Experiments with living nasal tissue bathed in liquid paraffin have shown, they state, that while oil is not harmful to the nasal cilia it inhibits their activity by "blanketing" them, and that the oil does not come in contact with the cilia but remains separated from them by mucus. The result is that the active ingredients of the nasal spray or inhalant are also insulated from the mucosa. A more serious drawback is the effect of oily nose drops and sprays upon the lungs: cases of lipid pneumonia have been observed following the use of oily nose drops and sprays. In fact, the U.S. Food and Drug Administration, in a communication to district chiefs, suggested for the nose drops, inhalants and sprays containing oil as a vehicle or base a caution label worded, "Caution: The use of excessive amounts of this preparation may be dangerous. Do not use at all in infants and younger children except on competent advice." That the aqueous solutions used as an alternative should be isotonic or fractionally hypertonic is indicated on the grounds that hypotonic solutions abstract salts from the tissue and impair mucosal resistance. Since oily intranasal preparations can enter the lungs, it is natural to assume that watery solutions may also reach the lungs, where equally they would cause pulmonary oedema and necrosis, but experiments are mentioned which appear to show that "isotonic saline solutions . . . caused no significant degree of pulmonary damage after intranasal instillation in normal rabbits." The author's recommended formulas are:—

### I

#### ISOTONIC SOLUTION OF EPHEDRINE SULPHATE

Ephedrine sulphate	..	..	..	1.0 gm.
Chlorobutyl alcohol	..	..	..	0.5 gm.
Physiological solution of sodium chloride, a sufficient quantity, to make	..	..	..	1,000 cc.

### II

#### DEXTRO-ISOTONIC SOLUTION OF EPHEDRINE SULPHATE

Ephedrine sulphate	..	..	..	1.0 gm.
Chlorobutyl alcohol	..	..	..	0.5 gm.
Isotonic solution of dextrose and sodium chloride, a sufficient quantity, to make	..	..	..	1,000 cc.

The isotonic solution of dextrose and sodium chloride is claimed to be more pleasing and less drying to the nasal mucosa than the plain sodium chloride solution. If the solution is prepared aseptically with sterile normal saline solution, and in small amounts, the preservative may be omitted.

## PERSONALITIES

MR. C. HUBBARD, M.P.S., Whitchurch, Shropshire, has been elected president of the local chamber of trade.

ALDERMAN C. A. CRITCHLEY, Ph.C., has been elected chairman of the Blackburn Licensing Justices and also president of the local Trade Protection Society.

NOTICE is given in "The London Gazette," January 31, 1941, that Kenneth Kruger, M.P.S., 1 Le Marchant Avenue, Lindley, Huddersfield, intends to assume the surname of Gilbert.

MR. A. B. PILCHER, a director and sales manager of Solport Brothers, Ltd., London, E.C.1, who has recently enlisted in the Royal Artillery, wishes to say "au revoir" to his many friends in the trade whom he was unable to visit before leaving.

MISS. G. A. MILNER, M.P.S., has been appointed chief pharmacist at the Miller Hospital, Greenwich, on the retirement of Miss I. Stafford, M.P.S. Miss Milner was for three-and-a-half years at the Victoria Hospital, Damascus, Syria, before taking up her duties as assistant pharmacist at the Miller Hospital in 1935.

## DEATHS

### Notices for this column must be authenticated

ARNFIELD.—At Ollerenshaw, Chapel-en-le-Frith, on February 6, Mr. Thomas Owen Arnfield, Ph.C. (formerly of J. C. Arnfield & Sons, Ltd., manufacturing chemists, Stockport), aged eighty-eight.

BRAY.—Recently, Mr. William Lee Bray, M.P.S., Fore Street, Buckfastleigh, Devon, aged fifty-three.

CLARKSON.—Recently, Mr. Joseph Montague Clarkson, M.P.S., 23 Beckett Road, Doncaster, aged fifty-seven.

FAIRBAIRN.—At University College Hospital, London, W.C.1, on February 14, following an operation, Miss Louise Fairbairn, for many years in charge of the Information Department of THE CHEMIST AND DRUGGIST.

GEE.—Recently, Mr. David Gillam Gee, M.P.S., 19 Corkic, Whitehaven, aged ninety-three. Mr. Gee passed the Modified examination of the Pharmaceutical Society in 1869.

GRAY.—Recently, Mr. James Jarvie Robertson Gray, M.P.S., Gracefields Gardens, London, S.W.16. Mr. Gray qualified in 1913.

GREAVES.—Recently, Mr. William Greaves, chemist and druggist, 171 Ashgate Road, Chesterfield, aged seventy-nine.

HARROP.—At Wigan, recently, Mr. John Harrison Harrop, Ph.C., formerly of Pendleton and Eccles, aged eighty.

JONES.—In a London Nursing Home, on February 4, Mr. Walter Eytton Jones, chemist and druggist, formerly of Hall Street, Rhosllanerchrugog, Wrexham, aged sixty-two.

MILLER.—Recently, Mr. Howard Green Miller, M.P.S., 172 Albany Street, London, N.W.1, aged thirty-nine.

ROBERTSON.—Recently, Mr. George Farrie Robertson, M.P.S., 279 Kilbowie Road, Clydebank. Mr. Robertson passed the Minor examination in 1896.

SWINTON.—Recently, Mr. Thomas Henry Swinton, M.P.S., 53 Oriol Road, Bootle, Liverpool. Mr. Swinton passed the Minor examination in 1892.

## RECENT WILLS

MR. THOMAS WILLIAM THRELFALL CARRAN, 89 Deramore Avenue, Belfast, retired chemist, who died on December 2, 1940, left personal estate in England and Northern Ireland valued at £737.

MR. DOUGLAS CURRIE, Woodcroft, Clinton Road, Edinburgh, head of William Currie & Co., rubber goods manufacturers, Edinburgh, who died on November 4, 1940, left personal estate in Great Britain valued at £259,492.

MR. JOHN HARDIMAN BUFFHAM, 21 Glenmore Road, Haverstock Hill, London, N.W.3, and 12 Fitzroy Street, W., chemical merchant, who died on September 29, 1940, left estate of the gross value of £5,668, with net personalty £5,275.

MR. JOSEPH JOHN BRODERICK, Patrick Street, Fermoy, co. Cork, chemist, who died on August 10, 1940, left personal estate in England and Eire valued at £6,067. He left £50 to his managing assistant, Mr. James F. Hogan, if still in his service.





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## Passing the Buck

THE Pharmaceutical Society of Great Britain set up in 1937 a Committee of Inquiry to consider the conditions under which pharmacy is practised, the organisation of the pharmacy in Great Britain, and to report upon changes that are desirable, together with the means—whether by Act of Parliament or otherwise—to be adopted for effecting them. The Committee decided to present their report in two parts, the first to be a statement of the past and present position of pharmacy, the second to contain the Committee's recommendations for dealing with the problems of pharmacy disclosed by this statement. The first part of the Report was issued early in 1939, and at the British Pharmaceutical Conference in August of that year the secretary of the Society stated that, as soon as the second part of the Report had been prepared, a special meeting of representatives would be held in London in order to discuss the whole of the recommendations, probably during the coming [1940] pharmaceutical year. The war has rendered obsolete the information dealing with many matters in the first part of the Report, and must inevitably affect the conclusions which, in the normal course of events, would have been included in Part II.

Little has been heard of the Committee of Inquiry during the past eighteen months, but among the information that may be gleaned from the report of the recent meeting of the Council of the Pharmaceutical Society is that the Committee still functions. This is evident from the minutes of the Organisation Committee of the Council.

It will be recalled that at the December meeting of the Pharmaceutical Council, Mr. Shaw moved "that the Council consider its policy and particularly its long-range policy." The resolution was passed and referred to the Organisation Committee, which proposed that a letter should be sent to the branches inviting them to express their ideals for pharmacy, together with reasons for their conclusions. But, on second thoughts, apparently, the Organisation Committee has decided to consider this suggestion again when Part II of the Report of the Committee of Inquiry is published.

From the reports issued of the Pharmaceutical Council meetings it is not clear whether Mr. Shaw had definite ideas on what should be the long-term policy, but his resolution has raised one of the most important issues the Council should be dealing with, and it is to be hoped that the "elder statesmen" will not endeavour to get the problem shelved. Though it is not possible to foresee what conditions will exist after the war, there is every reason why the Council should plan ahead,

and as the future is with the young men, it is to be expected that they will insist on something being done in the matter. One thing is certain, i.e. if the Committee of Inquiry and the Organisation Committee each wait for the other to act, pharmacy will never achieve the recognition to which it is fully entitled.

## An Inquiry and its Outcome

A COMMITTEE appointed by the American Pharmaceutical Association to consider modernisation of the U.S. pharmacy laws recently laid the foundations of its work by carrying out a survey of existing legislation affecting the profession ("American Journal of Pharmacy," Practical Pharmacy Edition, 1940, II, 399). As might have been expected, the committee placed its finger on gaps and deficiencies that beforehand had been vaguely felt rather than specifically understood. The committee recognised that the distribution of drugs was a professional function and, as such, necessitated public control, and urged that, if pharmacy was to be regarded as a public health service, it was essential that all drugs should be produced and distributed by persons fully educated to their potencies and dangers. For the majority of drugs this meant, in the committee's view, restricting distribution to pharmacists, doctors, dentists, and other specified classes. For certain other drugs in common use, less restriction—but still a measure of control—was needed, and the committee recommended that drugs in the second category should be distributed either by persons in the classes named above, or by other persons specially licensed by the Pharmacy Board.

The worst defect in the present legislation was, in the committee's view, that no definition existed of the words "drug" and "medicine," except under the Federal Food, Drug and Cosmetic Act. This Act provided a definition suited to its own purposes, but its definition was not adapted to the effective control of pharmacy—a fact that was demonstrated when the Pharmacy Board of one of the States of the Union attempted to secure acceptance of the Act's definition of "drug" in order to establish that vitamins should be regarded as drugs and not foods. The Board was on that occasion told by the examining magistrate: "These definitions apply to the Federal Act, which was adopted for different and other purposes than those moving the State pharmacy statute, and cannot, in my opinion, govern the construction of the State legislation." The basic defect of Food and Drugs legislation, from the committee's point of view, is that its purpose is to control distribution of drugs which do not conform with the standards laid down, while the purpose of Pharmacy Acts is to limit distribution of drugs—even if they conform to recognised standards—by persons ignorant of what they are handling. To surmount this obstacle, which experience had thus shown to be of profound importance, the committee suggested an alternative definition as a basis for future pharmaceutical legislation. In the words of the definition adopted "The term 'drug' means (1) all articles recognised in the official United States Pharmacopœia, official Homœopathic Pharmacopœia of the United States, or official National Formulary, or any supplements to any of them which are intended for use in the diagnosis, cure, mitigation, treatment or prevention of disease in man or other animals; and (2) all other articles intended for use in the diagnosis, cure, mitigation, treatment or prevention of disease in man or other animals; and (3) articles (other than food) intended to affect the structure or any function of the body of man or other animals; and (4) articles intended for use as a component of any article specified in clause (1), (2) or (3); but that does not include devices or their components, parts or accessories."

A final safeguard proposed by the committee was to define the word "prescription" in such a manner that scripts must be taken to registered pharmacies to be dispensed. The suggested definition was "an order for drugs and medicines written by a legally competent practitioner of medicine, dentistry or veterinary medicine to be compounded and dispensed by a registered pharmacist in a duly registered pharmacy and to be kept on file a designated period of years." Behind the proposal was the perception of a situation likely to result from the present tendency to restrict potent drugs and medicines to physicians' prescriptions. The purpose of this restriction has been, of course, to take such drugs out of the hands of the unqualified, but it is pointed out that legislators may unwittingly go beyond this safeguard and in effect centre the whole distribution of many important drugs in the exclusive hands of dispensing doctors. The latter, as



pharmacists on both sides of the Atlantic are well aware, are men and women with almost as little training in pharmacy as the unqualified vendors whose dealings the restrictions were intended to limit.

The committee appreciates that its recommendations are unlikely to bear immediate fruit. Nevertheless, the findings have the distinct value of establishing clearly in the minds of United States pharmacists the direction in which future pharmaceutical legislation should develop. Such clarity of information would, in our view, be no less valuable among British pharmacists today.

### A Quota Dilemma

THE difficulties caused by the restrictions under the Limitation of Supplies Order has resulted in friction between chemists and certain manufacturers. Some chemists who had sent orders direct to manufacturers have been informed that the latter's quotas have been exhausted and that no supplies were therefore available. Naturally chemists have asked where their share of the quota is, or who has had it?

The position is that the Board of Trade allowed manufacturers whose June–November 1940 quota was exhausted to supply goods in advance against the December 1940–May 1941 quota, provided buyers undertook not to sell the goods before December 1, 1940. Then, suddenly, the quota was cut from 66½ per cent. to 25 per cent., with the result that many manufacturers were sold out so far as the current quota period is concerned. Had this totally unexpected reduction not

taken place it is likely that all orders would at least have been executed in part. Chemists who placed their direct orders in good time feel that they have had a raw deal from some manufacturers, but, so far as we have been able to ascertain, such is not the case, the shortage being due either to the alteration in the quota or the difficulty the manufacturer has in rationing his customers.

In the case of distribution of quota goods the manufacturer has two courses open to him—either he may ration his customers to 25 per cent. of their previous purchases, or supply on the "first come, first served" principle, so long as his quota lasts. Logical as the first method might appear, many manufacturers could not put it into practice unless they were prepared to go through their records for the past year, and, from the total amount supplied to each customer, calculate how much stock he is entitled to should he require it. Alternatively, it might be possible to issue a form asking the customer to "state his case," but either procedure would involve increased staff, whereas the Limitation of Supplies Order was intended to reduce the number of persons employed in the industries affected by it. Consequently, many manufacturers have been forced to sell by the second method. Policy on the whole appears to have been dictated by necessity and not discrimination. The latter would in most respects be short-sighted, but there is one way in which manufacturers should exercise it; that is, by obtaining information regarding the changes that have taken place in the distribution of the population and allow increased supplies in those areas in which the number of residents is substantially greater than before.

## APPEAL AGAINST REMOVAL FROM REGISTER

A KING's Bench Divisional Court, composed of the Lord Chief Justice and Mr. Justice Humphreys, heard, on February 13, an appeal by Mr. Barry Lawson, Yarrow Road, Whalley Range, Manchester, against a decision of the Statutory Committee of the Pharmaceutical Society ordering his name to be expunged from the Society's Register.

Mr. Gilbert Beyfus, K.C., for Mr. Lawson, said the proceedings were taken under the Pharmacy and Poisons Act, 1933, and the Committee had directed the removal of Mr. Lawson's name from the Register, alleging that he had been guilty of such misconduct as, in their opinion, rendered him unfit to be on the Register. It was not a question of a criminal offence, said counsel, but the penalty was serious from Mr. Lawson's point of view.

The appeal was based on the ground that Mr. Lawson had not been guilty of any such misconduct as alleged, that there had been irregularities in the procedure before the Committee, and that the sentence was extremely harsh and excessive. Mr. Beyfus stated that the Committee had fairly wide powers. They could reprimand a member of the Society but they could not suspend him. With regard to the question of suggested irregularity in the procedure, Mr. Beyfus claimed that a legal rule had been contravened because Mr. Hugh N. Linstead, the secretary of the Society, who launched the "prosecution," also acted as secretary of the Statutory Committee that heard it and retired with the chairman and other members when they deliberated on their decision. It was said that he took no part in the discussion but, counsel contended, to say the least, that proceeding seemed to be contrary to the principles of natural justice.

The complaint against Mr. Lawson was that "he distributed by post and without invitation a printed leaflet or pamphlet of an indecent or objectionable nature and thereby was guilty of misconduct." The first objection to that was that the procedure as set out by the rules had not been observed because the information as sent to the secretary, and through him to the chairman of the Committee, did not set out in any way the nature of the misconduct alleged. Counsel agreed that the rule did not, in plain words, make the stipulation, but, without particulars of the allegation, the chairman could not fulfil his duties as laid down by the rules. He also admitted that later documents did give the necessary particulars. The pamphlet, which Mr. Lawson admitted having circulated by post in a sealed envelope, was modelled on one which, for some years, had been issued without complaint by two companies which had employed him, and it dealt with "hormonal treatment in glandular tablets for impotence or nervous debility in men and frigidity and apathy in women." It was not suggested that there was any quackery. The

pamphlet, although it dealt with the subject frankly, contained nothing that would appeal to the prurient or lecherous mind.

Mr. Justice Humphreys: Do you really say that if a decent girl got hold of the pamphlet which spoke of "awakening sex interest," etc., it would not be most objectionable?

Mr. Beyfus: Supposing this treatment is good and of value to certain people, is it not extremely desirable that it should be made known to the public?

Counsel emphasised that advertising of these particular specifics had been carried on for years. Was it too much to complain when, although for seven years a similar pamphlet had been vastly circulated by two big companies who had employed the appellant, without objection from the Pharmaceutical Society, the Society suddenly pounced upon this little man in Manchester without warning to charge him with misconduct of such a kind that he was unfit to be on the Register? That was one of the foremost matters in the appeal.

Mr. Justice Humphreys: The fact that other people have done the same thing is really out of the question.

Mr. Beyfus: But you must have a standard by which you are to compare the conduct of the person you are charging with misconduct.

Mr. Beyfus said the chairman of the Committee, in his judgment on the case, said: "We have considered this pamphlet from the point of view of its subject-matter, its distribution and the language used in it. There are obviously subject-matters which the ordinary man does not discuss except with an intimate friend or a medical man. We also take an unfavourable view of the language in which the circular is phrased. We find the pamphlet is objectionable. . . . We have before us a statement upon matters of professional conduct issued by the Council. The second rule is that advertisements of medicines should not be issued to the public referring to sexual weakness. Quite clearly this pamphlet, issued by a man who is on the Register, contravenes the rule of professional conduct. Even if such a rule did not exist we should have no hesitation whatever in saying that, for a chemist to issue this pamphlet broadcast to the public, is misconduct which renders him unfit to be on the Register of Chemists. . . . We have been pressed with the statement that other people are carrying on similar methods of advertising. That may be so and it may be that proceedings may be taken against them. . . . But whether proceedings are instituted or not does not make any difference to the discharge of our duty of ensuring that the reputation of the profession in the eyes of the public should not be sullied."

Mr. Beyfus then reverted to his contention that the proceedings before the Committee were invalidated because Mr.



Linstead retired with the Committee when they deliberated upon their decision and read an affidavit of Mr. J. Jaffe, appellant's advocate. An affidavit by Mr. Linstead, in reply, was also read in which he admitted that he retired with the Committee, but claimed that that was part of his duty as he had to hand the Committee their papers and record the decision. He took no part in the deliberation, however. That affidavit was supported by one sworn by the chairman of the Committee.

Continuing, Mr. Beyfus said his client—whom he described as "an unfortunate little man who had been pounced on by the Committee"—had no knowledge that he was contravening the ethics of his profession. Yet he had been wiped out because he did something that had been done unfettered for years by other registered chemists. Counsel submitted that if the Council desired to bring home to the members of their profession questions of etiquette and practice they could do so by producing by-laws and orders dealing with the matter.

Mr. Beyfus submitted that the decision of the Committee was based upon false reasoning when they considered whether the subject was one that would be broached by a person only to his doctor. After all, a chemist often was in intimate relation with a customer on questions of treatment, and the fact that he opened a subject with a customer did not stamp him with misconduct. The standard adopted by the Committee was consequently a wrong one.

When the hearing was continued on February 14, Mr. Blanco White, K.C. (for the Society), dealt with the technical objection that the inquiry was invalid because the secretary retired with the Committee when it deliberated upon its decision.

He pointed out that no objection was taken at the hearing and no complaint had been made as a ground of appeal until six months after the inquiry was held, which was in May 1940. However, the Society desired him to say that this was the first appeal from a decision of the Statutory Committee and if the Court thought fit to give any sort of indication on the question of procedure the Society would, of course, instantly adopt the suggestion. But he submitted that on the Act and the regulations there had been no irregularity and no objection could be taken to the secretary being present with the Committee in private having regard to his duty. Mr. Linstead neither took any part in arriving at the decision nor did he advise the Committee. He was the Society's chief clerical official to keep the records and no reasonable person could suppose there was anything irregular or unfair in what he did. So far as the "prosecution" was concerned, he merely transmitted the Society's allegation.

Mr. White said it did not follow that if there had been an irregularity the whole proceeding should be quashed. He thought the Court could give a judgment of its own on the matter.

The Lord Chief Justice: If we allowed the appeal the Society could begin again? The case could be dealt with *venari de novo*?

Mr. White: I suggest it could.

Their Lordships intimated that they did not wish to hear Mr. White on the facts or the penalty. Mr. White said so far as the "sentence" was concerned Mr. Lawson could always apply for reinstatement although, he believed, now that he had appealed, the application would have to go through the Privy Council.

Mr. Justice Humphreys: As a matter of interest, are we to decide how to pronounce "pharmaceutical"?

Mr. Blanco White: That was done in the course of litigation in 1856 by Lord Campbell who said, with regard to the "c" in the word, "Let it be soft, be it so." (Laughter.)

In reply, Mr. Beyfus said he had not complained that members of the Council could sit on the Committee to be judges in a cause of their own because he had not been aware of the fact. He did not now complain because he accepted the statement that they took no part in the initiation of the proceedings. But he did object to the Council's secretary, who was concerned in a "prosecution," withdrawing with the Committee when they decided the case, to be at their side ready to aid them. Mr. Beyfus added that he did not suggest that Mr. Linstead or anybody else had acted with impropriety except impropriety that arose from the principle that not only should justice be done but that it should be seen to be done. Seeing that Mr. Linstead, as secretary of the Council, took an active part in the "prosecution," it was reasonable

to suspect that he was biased in favour of the Council, not that anybody would suggest that he allowed that bias unfairly to influence him.

Their Lordships dismissed the appeal, with costs.

The Lord Chief Justice said he could not help observing that there were parts of the pamphlet which went beyond mere medical or scientific advertising and it was not surprising that somebody thought it should be made a subject-matter of complaint. The pamphlet might well be thought to so enlarge upon matters so as to incite an unhealthy interest in the minds of some people. The Committee came to the conclusion that the distribution of that pamphlet constituted misconduct and his Lordship agreed with that decision. Accordingly he also agreed with the direction which the Committee gave that the appellant's name should not remain on the Register.

It had been said that the penalty was harsh, seeing that a distribution of somewhat similar pamphlets had, it was said, been carried out by other people and that the Council must be aware of that, but it must be recollected that the Act made the profession concerned masters in their own house to maintain and if necessary improve the status of the profession. In the circumstances, but for a point of legal importance, that would be an end of the appeal. But objection had been taken to the Committee's decision on the ground that there had been irregularity because of Mr. Linstead's connexion with the Committee as secretary when he was also secretary to the Council and, to use the words of Mr. Beyfus, "took an active part in the 'prosecution'" and retired with the Committee to consider their decision.

His Lordship came to the conclusion that the deliberations of the Committee were in private notwithstanding that Mr. Linstead was there. The real point made, however, was that the secretary of the Council had no right in the room, regulations or no regulations, and it was further said that in addition to being secretary to the Council he was biased upon the side of the "prosecution." There was nothing in the correspondence to suggest that Mr. Linstead had done anything more than be a conduit pipe for the conveyance of information from the Council or Committee as the case might be to the appellant or his solicitors and nothing could be seen in his conduct which could cause him to be suspected of bias. Having regard to the scheme of the Act and the fact that members of the Council might be members of the Statutory Committee his Lordship decided that the inquiry was not vitiated by the presence of Mr. Linstead with the Committee when they deliberated in private.

His Lordship added that it had been suggested that the Court would express some opinion as to the restoration of Mr. Lawson's name to the Register when he applied for it. All he was prepared to say was, if Mr. Lawson appealed to the Privy Council to agree to his name being restored to the Register the fact that he had done only what others were said to have done with apparent impunity was a circumstance that might justify some lenience as the Council thought fit. The Act was passed to enable people who could be called public servants to improve the status of their profession and when that task was taken in hand somebody had to be the first to be met by jurisdiction which was entrusted to the Committee of that body and the fact that other persons might be doing the things the appellant had done might be thought to be a matter requiring attention, but it ought not to affect the decision in a case where the Committee considered that what had been done constituted misconduct.

Mr. Justice Humphreys, concurring, described the pamphlet as a pernicious publication. He said he observed that it had not the remotest claim to be a medical advertisement. It was a catchpenny document to incite persons to pay a preposterous price for the drugs which were advertised. Dealing with the legal contention, his Lordship said he found it extremely difficult to imagine that any reasonable person could think that Mr. Linstead was going to influence—even if he desired to do so—either the chairman or the members of the Committee, and the Court knew he had no such desire.

The Statutory Committee of the Society might think it right, in order to avoid, in future, any person, however unreasonable, thinking that their deliberations were open to question in that they were not strictly in private because of the presence of the secretary of the Council, to take the view that it was better that the secretary should not be present with them, because the Committee would naturally be anxious to avoid all possible idea of the existence of bias.



## TRADE REPORT

Spot quotations recorded for pharmaceutical chemicals, crude drugs, essential oils, etc., represent the prices for wholesale quantities of standard quality. C.i.f. shipment quotations do not include marine war risk insurance and other abnormal charges which arise in the present emergency

28 Essex Street, W.C.2, February 19

BUSINESS in most markets continues to be of rather restricted proportions and little of importance has transpired in the way of price changes. Stocks of many products appear to be cleared quickly when offered, and replacements of some commodities take a considerable time. In PHARMACEUTICAL CHEMICALS generally, steady markets continue to be noted, with business on a satisfactory scale. ACETANILIDE continues in fair demand, the price being quite steady. BARBITONE remains quiet, but values are unaltered. CAFFEINE, in short supply, commands a higher price; CAFFEINE CITRATE also shows an advance. GUAIACOLS are steady. PARALDEHYDE has been advanced by one penny per lb. SULPHANILAMIDE continues to sell well at steady prices.

### Crude Drugs

Interest has again been moderate, with most of the business coming from the home consuming trade. Merchants, however, are finding plenty to do, for stocks are being cleared quickly and are not easily replaced. AGAR continues to fetch good prices for the limited supplies of spot goods available; negotiations with Japanese shippers are stated to be continuing, but no business has been reported. The demand for spot supplies of CURAÇAO ALOES continues, and full prices are being paid. There is nothing fresh to report on ANTIMONY, which remains quiet and steady. A good demand is being experienced for high-grade BISMUTH METAL. Spot supplies of Japanese CAMPHOR tablets are hard to locate. CANTHARIDES is in short supply, but an early delivery of some Chinese is expected. There is a brisk spot demand for CASCARA SAGRADA, but spot stocks are low. CASCARILLA is quoted dearer. Business in COLOCYNTH has been very moderate, but values are fully maintained. Quiet conditions are found in ERGOT. GINGER remains firm. Spot supplies of Sudan GUM ACACIA are quoted rather dearer, but shipment values are unaltered. IPECACUANHA has had another quiet week. A particularly good demand is recorded for MENTHOL. Some deliveries of ORANGE PEEL, bitter quarters, are expected shortly. The PEPPERS market remains idle. PIMENTO is easier on spot. QUILLARIA BARK is firmer. The spot market for all descriptions of RHUBARB continues firm, with supplies restricted. RUBBER is a fraction dearer on the week. SENECA is quoted rather dearer both on spot and for shipment. The finer grades of TRAGACANTH continue in poor supply.

### Essential Oils

A moderate trade continues, prices remaining generally steady. Quotations for ALMOND show no variation. ANISE (STAR) is firm on spot. Business in BAY remains quiet, with values steady. Dealers' spot prices for CAJUPUT remain firm. A fair amount of spot business is noted in CASSIA. CITRONELLA is slow but steady. Very firm conditions are maintained for GERANIUM. LEMONGRASS is firm. Chinese PEPPERMINT continues in good demand, and business is reported done at full prices. Spot stocks of SIBERIAN PINE are stated to be limited, and quotations are higher in consequence. Advances in value are noted in a number of SYNTHETICS, some of which are in limited supply.

### Exchange Rates on London

The following is a list of the chief Continental and other exchange rates at the opening on Wednesday morning:—

Centre	Quoted	Par	February 12	February 19
Belgian Congo	Francs to £	nominal	176½*	176½*
Buenos Aires	Paper pesos to £	—	17.04½*	17.04½*
Java ..	Florins to £	12.107	7.60*	7.60*
Lisbon ..	Escudos to £	110	100.0*	100.0*
Madrid ..	Pesetas to £	25.24½	40.50 official 46.55 voluntary	40.50 official 46.55 voluntary
Montreal ..	Dollars to £	4.86½	4.45*	4.45*
New York ..	Dollars to £	nominal	4.03*	4.03*
Sbhanghai ..	Per dollar	—	3½d.	3½d.
Stockholm ..	Kronor to £	18.150	16.90*	16.90*
Yokohama ..	Per yen	25.	1s. 2½d.	1s. 2½d.
Zurich ..	Francs to £	22.2115	17.35*	17.35*

\* Rate fixed by Bank of England. Bank rate, 2 per cent.

### Pharmaceutical Chemicals

GENERALLY steady markets continue to be noted, with business on a fairly satisfactory scale. As recorded last week, new controlled prices for mercury compounds, based on the present metal price, are now in force. Paraldehyde has been advanced by one penny per lb.

ACETANILIDE.—Continues in fair demand, with prices steady. B.P.C. crystals and powder, spot, about 2s. 4d. to 2s. 6d. per lb., according to quantity.

ALLOBARBITONE (B.P.C.).—Quotations for British-made material remain at about 55s. to 60s. per lb.

AMIDOPYRINE.—Business moderate. Dealers' prices for crystals steady at from 27s. 6d. per lb. for one-cwt. lots, up to about 30s. per lb. for smaller lots; powder, 3d. per lb. extra.

ASPIRIN.—Makers' scales of prices continue steady:—

Quantity	In containers of					
	1 lb.	2 lb.	4 lb.	7 lb.	14 lb.	28 lb.
1 lb. and under 4 lb. ..	s. d. 3 10½	s. d. 3 9	s. d. —	s. d. —	s. d. —	s. d. —
4 lb. and under 7 lb. ..	3 9½	3 8	3 7½	—	—	—
7 lb. and under 14 lb. ..	3 8½	3 7	3 6½	3 6½	—	—
14 lb. and under 28 lb. ..	3 7½	3 6	3 5½	3 5½	3 5	—
28 lb. and under 1 cwt. ..	3 6½	3 5	3 4½	3 4½	3 4	3 3½
Not less than 1 cwt. ..	2 11½	2 10	2 9½	2 9½	2 9	2 8½
Not less than 5 cwt. ..	2 11	2 9½	2 9	2 8½	2 8½	2 8
Not less than 10 cwt. ..	2 10	2 8½	2 8	2 7½	2 7½	2 7

\* 8 × 14 lb. and upwards in one delivery, ½d. per lb. less.

Sale is subject to buyer's undertaking not to re-sell any quantity at prices or terms below scale for sub quantity current at time re-sale is made, and, if converted into tablets, not to sell any number at prices or terms below scale current at time of sale.

ASPIRIN TABLETS.—Makers' quotations for bulk quantities are as follows: Under 5,000, 3s. 1½d.; 5,000, 2s. 11½d.; 10,000, 2s. 10½d.; 25,000, 2s. 8½d.; 50,000, 2s. 7½d.; 100,000, 2s. 6½d.; 250,000, 2s. 6d.; 500,000, 2s. 5½d.; 1,000,000, 2s. 4½d.; 2,000,000, 2s. 3½d. per 1,000. All bulk sales are subject to re-sale clause.

BARBITONE.—Quiet, with values steady. One cwt., about 24s. per lb.; smaller quantities, about 27s. 6d. to 30s. per lb.

BENZOIC ACID (B.P.).—Supplies are difficult and quotations nominal at about 2s. 6d. to 3s. per lb.

BISMUTH SALTS.—Makers' scales of prices steady and unchanged:—

	Under 4 lb.	4 lb. and under 8 lb.	8 lb. and under 28 lb.	28 lb. and under 1 cwt.	Not less than 1 cwt.
Carbonate ..	s. d. 11 3	s. d. 10 9	s. d. 10 0	s. d. 8 7	s. d. 8 4
Citrate ..	13 4	12 10	12 1	10 4	10 1
Nitrate, cryst. ..	7 7	7 1	6 4	5 7	5 4
Oxide ..	15 4	14 10	14 1	12 0	11 9
Salicylate ..	11 9	11 3	10 6	9 0	8 9
Subchloride ..	14 11	14 5	13 8	11 8	11 5
Subgallate ..	11 11	11 5	10 8	9 2	8 11
Subnitrate ..	9 11	9 5	8 8	7 6	7 3

Rebate of threepence per lb. allowed off 1-cwt. prices on sales of not less than 2 cwt., or against contracts of not less than 2 cwt., provided whole of contract quantity is ordered within three months. Prices net. Payments in fourteen days. For quantities of 28 lb. and upwards, in the home trade, an extra charge of threepence per lb. is made for 1-lb. cartons and 1-lb. parcels, even when repacking into cartons or parcels is effected by purchaser. Smaller quantities than 28 lb. are not subject to this extra charge. Under present conditions all prices and sale terms are without engagement.

BORAX (B.P.).—Makers' prices unchanged: Granulated, £34; crystals, £35; powder, £35 10s. per ton, in 1-cwt. bags, carriage paid in Great Britain, for minimum one-ton lots. Commercial qualities, £8 per ton less.

BORIC ACID (B.P.).—Makers' prices steady: Granulated, £50 10s.; crystals, £51 10s.; powder, £52 10s. per ton for minimum one-ton lots, in 1-cwt. bags, carriage paid in Great Britain. Commercial qualities, £8 per ton less.

BROMIDES.—Makers' scales of prices are unchanged:—

POTASSIUM	In parcels of					
	1 lb.	2 lb.	4 lb.	7 lb.	14 lb.	28 lb.
1 lb. and under 4 lb. ..	s. d. 3 11	s. d. 3 9½	s. d. —	s. d. —	s. d. —	s. d. —
4 lb. and under 7 lb. ..	3 10	3 8½	3 8½	—	—	—
7 lb. and under 14 lb. ..	3 9	3 7½	3 7½	3 6½	—	—
14 lb. and under 28 lb. ..	3 8	3 6½	3 6½	3 5½	3 5½	—
28 lb. and under 1 cwt. ..	3 7	3 5½	3 5½	3 4½	3 4½	3 4
1 cwt. ..	3 0½	2 11	2 10½	2 10½	2 10	2 9½
5 cwt. ..	2 11½	2 10	2 9½	2 9½	2 9	2 8½

SODIUM, 1d. per lb. extra; AMMONIUM, 3d. per lb. extra; packing extra but returnable. Net. Carriage paid in United Kingdom. Contracts over six months: each delivery against contract to be charged at schedule rates current on day of dispatch of goods. War-emergency clause and usual re-sale terms apply.

CAFFEINE.—Continues in short supply. Importers' quotations for ALKALOID now range between 57s. 6d. and 65s. per lb., according to quantity. CITRATE.—Valued at between 30s. and 35s. per lb.

CALCIUM LACTATE.—Value unchanged, normal business passing. Makers are asking 1s. 9d. per lb., for small lots.

CALCIUM SODIUM LACTATE.—Makers' prices are as follows: 28 lb., 2s. 3d. per lb.; 14 lb., 2s. 5d.; smaller lots, 2s. 8d. per lb.



CITRATES.—Makers' prices are as follows:—

POTASSIUM, B.P.	In containers of					
	1 lb.	2 lb.	4 lb.	7 lb.	14 lb.	28 lb.
Under 4 lb. ..	s. d. 3 0	s. d. 2 10½	—	—	—	—
4 lb. and under 7 lb. ..	2 11	2 9½	2 9½	—	—	—
7 lb. and under 14 lb. ..	2 10	2 8½	2 8½	2 7½	—	—
14 lb. and under 28 lb. ..	2 9	2 7½	2 7½	2 6½	2 6½	—
28 lb. and under 1 cwt. ..	2 8	2 6½	2 6½	2 5½	2 5½	2 5

SODIUM, B.P., one penny lb. below, and IRON AND AMMONIUM (SCALES), B.P., threepence per lb. above corresponding prices for POTASSIUM, B.P. Prices net. All packages charged extra. It is a condition of sale that buyers undertake not to re-sell at prices below the values given. 28-lb. tins charged 2s. each.

COCAINE.—British makers' prices for wholesale bulk quantities are as follows: HYDROCHLORIDE and NITRATE, 25 oz. and over, 29s. 9d.; 16 oz. and less than 25 oz., 30s. 9d.; over 8 oz. and less than 16 oz., 31s. 9d. per oz. ALKALOID, CITRATE, and SALICYLATE, 25 oz. and over, 32s. 6d.; 16 oz. and less than 25 oz., 33s. 6d.; over 8 oz. and less than 16 oz., 34s. 6d. per oz., 16-oz. packages free, smaller packing extra. The scale of prices applicable to distributors of smaller quantities is as follows: HYDROCHLORIDE and NITRATE, 8 oz., 34s. 1d.; 4 oz. and less than 7 oz., 34s. 7d.; 2 oz. and less than 4 oz., 35s. 5d.; 1 oz. and less than 2 oz., 36s. 5d.; ½ oz. and less than 1 oz., 37s. 11d.; ¼ oz. and less than ½ oz., 40s. 11d. per oz. ALKALOID, CITRATE and SALICYLATE, 8 oz., 36s. 10d.; 4 oz. and less than 8 oz., 37s. 4d.; 2 oz. and less than 4 oz., 38s. 2d.; 1 oz. and less than 2 oz., 39s. 2d.; ½ oz. and less than 1 oz., 40s. 8d.; ¼ oz. and less than ½ oz., 43s. 8d. per oz., packages extra. Re-sale: Sales are subject to buyer's undertaking not to re-sell any quantity below scale current at time of re-sale. Export prices vary according to destination.

CREAM OF TARTAR (B.P.).—One maker is quoting a nominal price of 202s. per cwt. less 2½ per cent. discount, supplies being restricted to regular consumer customers. Another maker reports that deliveries have been made on the basis of 255s. per cwt.

EPHEDRINE HYDROCHLORIDE (B.P.).—Quotations for ordinary quantities continue at about 7s. to 8s. per oz., with lots of 1,000 oz. at a slightly lower figure.

GLYCERIN.—Basic price for chemically pure, B.P., is now 67s. 6d. per cwt., and for single-distilled pale straw, 62s. 6d. per cwt., less 2½ per cent., delivered in 10-cwt. drums. The usual differences apply for smaller packages, etc.

GUAIACOL.—Steady at unchanged prices. Crystals and liquid, about 12s. 6d. per lb.

GUAIACOL CARBONATE.—Quiet, but makers' and dealers' prices remain steady at between 12s. 6d. and 13s. 6d. per lb.

HEXAMINE.—Continues in fair demand, with prices steady. Free-running crystals quoted by dealers at about 2s. 1d. to 2s. 3d. per lb., ex store, according to quantity; powder would be at cheaper rates.

LACTIC ACID (B.P.).—Makers' prices are steady, as follows: One-cwt. carboys, 1s. 10d. per lb.; winchesters and bottles, 1s. 11d. to 2s. 1d. per lb.

MAGNESIUM TRISILICATE.—Makers' prices are steady:—

Quantity	In containers of					
	1 lb.	2 lb.	4 lb.	7 lb.	14 lb.	28 lb.
1 lb. and under 4 lb. ..	s. d. 3 4	s. d. 3 2½	—	—	—	—
4 lb. and under 7 lb. ..	3 3	3 1½	3 1½	—	—	—
7 lb. and under 14 lb. ..	3 2	3 0½	3 0½	2 11½	—	—
14 lb. and under 28 lb. ..	3 1	2 11½	2 11½	2 10½	2 10½	—
28 lb. and under 1 cwt. ..	3 0	2 10½	2 10½	2 9½	2 9½	2 9
Not less than 1 cwt. ..	2 8	2 6½	2 6½	2 5½	2 5½	2 5
Not less than 5 cwt. ..	2 6	2 4½	2 4½	2 3½	2 3½	2 3
Not less than 10 cwt. ..	2 4	2 2½	2 2½	2 1½	2 1½	2 1

Contracts may be booked for 1 cwt. and over, with rise-and-fall clause. It is a condition of sale that buyers undertake not to re-sell at prices below scale current at time of re-sale. Packages returnable and extra.

MERCURIALS.—As noted last week, new controlled prices, as follows, came into force on February 10:—

Mercury Compound	In containers of				
	Over 7½ lb. but less than 28 lb.	28 lb. and over but less than 1 cwt.	1 cwt. and over but less than 2 cwt.	2 cwt. and over but less than 5 cwt.	5 cwt. and over
Bichloride, powder ..	s. d. 12 0	s. d. 11 8	s. d. 11 7	s. d. 11 6	s. d. 11 4
Bichloride (Industrial quality)	12 0	11 8	11 7	11 5	11 3
Bichloride, lump ..	12 7	12 3	12 2	12 1	11 10
Ammonium chloride, powder ..	13 10	13 6	13 5	13 4	12 10
Ammonium chloride, lump ..	13 8	13 4	13 3	13 2	12 8
Chloride (mercurous) ..	14 2	13 10	13 9	13 8	13 6
Oxide, red crystalline, B.P. ..	15 11	15 7	15 6	15 5	15 3
Oxide, red levigated, B.P. ..	15 5	15 1	15 0	14 11	14 11
Oxide, red technical ..	All quantities—14s. 8d. per lb.				
Oxide, yellow levigated, B.P. ..	15 4	15 0	14 11	14 10	14 10
Oxide, yellow technical ..	All quantities—14s. 4d. per lb.				

Packages free for quantities of 28 lb. and over; delivery free on orders of £20 and over.

MERCURY IODIDES.—The following are makers' prices per lb.:—RED, less than 7 lb., 17s. 8d.; not less than 7 lb., 17s. 4d.; not less than 14 lb., 16s. 10d. GREEN: less than 7 lb., 19s. 6d.; not less than 7 lb., 19s. 2d.; not less than 14 lb., 18s. 8d. YELLOW, less than 7 lb., 21s. 3d.; not less than 7 lb., 20s. 11d.; not less than 14 lb., 20s. 5d. net, carriage paid.

METHYL SALICYLATE.—Makers' prices are as follows: Five cwt., 1s. 8½d.; one cwt., 1s. 9d.; small quantities in bottles, 1s. 11d. per lb.

METHYL SULPHONAL.—Steady. Dealers quote prices of about 39s. to 41s. per lb., ex store.

PARALDEHYDE.—The price is advanced by one penny per lb. Quantities, in one-cwt. carboys, about 1s. to 1s. 1d. per lb.

PHENACETIN.—Makers' prices are unchanged: Ordinary quantities, about 3s. 9d. to 4s. per lb., without engagement. Dealers are quoting at about 8s. 6d. per lb.

PHENAZONE.—Business quiet, with dealers' prices unchanged at about 17s. per lb. for bulk quantities; smaller lots at up to 22s. per lb.

PHENOLPHTHALEIN.—Makers' prices are steady, as follows: Less than 7 lb., 4s. 2d. per lb.; 7 lb., 4s. 1d.; 14 lb., 4s.; 28 lb., 3s. 11d.; one cwt., 3s. 10d.

QUININE.—The sterling price for sulphate, based on American dollars, is £14 17s. 5d. per 100 oz., f.o.b. Java.

SACCHARIN.—Convention rate for 550 continues unchanged at 98s. 4d. per lb., duty paid. Neither wholesale nor retail prices are under Government control.

SALICYLIC ACID (B.P.).—Makers quote as follows:—

	In containers of					
	1 lb.	2 lb.	4 lb.	7 lb.	14 lb.	28 lb.
Under 4 lb. ..	s. d. 2 7½	s. d. 2 6	—	—	—	—
4 lb. and under 7 lb. ..	2 6½	2 5	2 4½	—	—	—
7 lb. and under 14 lb. ..	2 5½	2 4	2 3½	2 3½	—	—
14 lb. and under 28 lb. ..	2 4½	2 3	2 2½	2 2½	2 2	—
28 lb. and under 1 cwt. ..	2 3½	2 2	2 1½	2 1½	2 1	2 0½
1 cwt. and under 5 cwt. ..	1 11½	1 10	1 9½	1 9½	1 9*	1 8½
5 cwt. and under 1 ton ..	1 11	1 9½	1 9½	1 8½	1 8½*	1 8
1 ton ..	1 10	1 8½	1 8½	1 7½	1 7½*	1 7

\* 8 × 14 lb. and upwards, in one delivery, ½ d. lb. less.

Prices include parcels or collapsible cartons; other packages charged extra. Can be assorted with sodium salicylate. Prices are quoted subject to buyer's undertaking not to re-sell any quantities at prices or terms below scale current at time of re-sale.

SALOL.—Values continue firm at about 6s. 9d. to 7s. 6d. per lb., according to quantity.

SANTONIN.—Convention prices are as follows: 15 kilos and over, £35 10s.; not less than 10 kilos, £36 5s.; not less than 5 kilos, £37; less than 5 kilos, £38 per kilo, delivered free in the U.K.; 1-kilo tins free.

SODIUM BARBITONE.—Current quotations are as follows: One cwt., about 24s. per lb.; smaller quantities, about 27s. 6d. to 30s. per lb.

SULPHANILAMIDE.—Continues in fair demand. Quotations remain steady at from 11s. 6d. to 12s. 6d. per lb., according to quantity.

SULPHONAL.—Demand slow; values unchanged. Dealers are asking about 34s. to 37s. 6d. per lb., according to quantity.

THEOBROMINE.—Continues in poor supply. The value of imported material would be about 55s. to 60s. per lb. THEOBROMINE SODIUM SALICYLATE.—British-made from imported theobromine would be worth about 36s. to 40s. per lb.

VANILLIN.—British makers' prices are steady: Ex clove oil or guaiacol, five cwt., 15s. 6d. per lb.; one cwt., 15s. 7½d.; 56 lb., 15s. 9d.; less than 56 lb., 16s., carriage paid in the U.K. Tins in cases are now returnable to makers.

VERMILION.—As recorded last week, new controlled prices for mercury sulphide, red (vermilion), came into force on February 10, as follows: Over 7 lb. but not more than 30 lb., 13s. 1d.; 30 lb. and over but less than 1 cwt., 13s.; 1 cwt. and over but less than 5 cwt., 12s. 11d.; 5 cwt. and over but less than 10 cwt., 12s. 10d.; 10 cwt. and over but less than 20 cwt., 12s. 9d.; 20 cwt. and over, 12s. 8d. Packages free for all quantities; delivery free on orders of £10 and over.

## Crude Drugs

TRADE in these commodities has again been quiet, with spot business mostly in smallish quantities and few price changes.

AGAR.—Routine spot business is passing at the following prices: Kobe No. 1, 18s. per lb.; Kobe No. 2, 17s.; and Yokohama No. 1, 17s. 6d. Negotiations with Japanese exporters are stated to be continuing, but so far no business appears to have been done.

ALOES.—A fair spot demand continues for the Curaçao variety at unchanged rates. Spot, about 330s. to 350s. per cwt., ex store, according to quantity. A figure suggested for shipment is 300s. per cwt., c.i.f. Cape remains steady at about 57s. 6d. to 60s. per cwt.



**ANTIMONY.**—Market quiet and unchanged. English, 99 per cent., £85 per ton, delivered; foreign regulus, £88 to £91 per ton, ex warehouse, duty paid; Chinese, for prompt shipment, £76 to £80, c.i.f.

**BALSAMS.**—Dealers are quoting *Tolu* on spot at about 8s. per lb., with some softish at about 7s. 6d. per lb.; *Canada*, about 7s. 9d. per lb.; *Copaiba*, B.P., 3s. 6d. per lb.; *Peru*, 7s. 9d. per lb.

**BELLADONNA.**—No quotations are available for imported root or leaves. English-grown leaf would be worth about 4s. 6d. per lb.

**BENZOIN.**—Steady at previously quoted prices; average business passing. Sumatra, spot, from £5 10s. to £6 15s. per cwt., ex store.

**BISMUTH METAL.**—In fair demand at current rate of one dollar 25 cents per lb. for high-grade metal.

**BUCHU.**—Not much doing on spot; values unchanged. About 3s. 5d. per lb. would be the present spot value; there are no offers of new-crop leaves.

**CAMPHOR.**—Good inquiry for Japanese tablets, but spot supplies difficult to locate; slabs would be worth about 5s. 2d. per lb., and flowers about 5s. 4d. per lb. Some offers are reported from Japan at reasonable prices. Continental synthetic is quoted unchanged: Powder, 5s. 3d.; tablets, 5s. 6d. per lb., ex store. English refined, steady as follows: Flowers, one cwt., 6s. 3d.; 28 lb., 6s. 4d.; less than 28 lb., 6s. 5d. per lb. Transparent tablets,  $\frac{1}{4}$  oz.: one cwt., 6s. 9d.; 28 lb., 6s. 10d.; less than 28 lb., 6s. 11d. per lb.

**CANTHARIDES.**—Supplies are low, but some Chinese material is expected shortly. Russian, if available, would be worth about 6s. 6d. per lb., on spot.

**CARDAMOMS.**—Inquiry small; quotations unaltered. Ceylon, spot, 3s. 6d. to 5s. per lb., according to quantity. Bombay seed, about 4s. 6d. per lb. Mangalore seed, about 4s. 3d. per lb. Aleppy greens, about 3s. 2d. per lb.

Exports of cardamoms from Ceylon during October 1940 totalled 400 cwt., valued at rupees 60,800, compared with 200 cwt. (rs. 25,300) in the previous month. Exports during the period January–October 1940 totalled 1,700 cwt. (rs. 264,000), compared with 2,500 cwt. (rs. 343,000) in the 1939 period.

**CASCARA SAGRADA.**—Inquiry continues good, but spot supplies are short. Spot, 125s. upwards, according to holder and age of bark; shipment, about 100s. per cwt., c.i.f.

**CASCARILLA.**—Quoted dearer by dealers at about 1s. 8d. per lb. for silvery quill and about 1s. 6d. per lb. for siftings.

**CINCHONA BARK.**—Dealers quote *Calisaya* at about 1s. 11d. per lb.

**CLOVES.**—Steady. Zanzibar, spot, 11½d. per lb., sellers. To arrive, sellers quote February–March shipment at 9½d. per lb., c.i.f., nominal. Madagascar, spot, 11d., sellers, in bond.

**COCHINEAL.**—Average spot business; values steady. Spot, blacks, about 2s. 7d.; greys, about 2s. 6d. per lb.

**COCOA BUTTER.**—Foreign, nominal; prime English, no offers.

**COCONUT (DESICCATED).**—Maximum wholesale price, as fixed by the Ministry of Food, is 49s. per cwt.

10,200 cwt. of desiccated coconut, valued at rupees 86,400, was exported from Ceylon during October, 1940, compared with 7,300 cwt. (rs. 49,300) in the previous month. Figures for the period January–October were as follows: 1940, 269,000 cwt. (rs. 2,577,000); 1939, 531,000 cwt. (rs. 4,896,000).

**COLOCYNTH.**—Business quiet, but values maintained. Spot, fine-quality pulp, approximately 2s. 2d. per lb.; ordinary grades, about 1s. 7d. to 1s. 8d. per lb.

**DAMIANA LEAVES.**—Spot supplies are fair and are quoted by dealers at about 1s. per lb.

**DANDELION ROOT.**—Foreign, unquoted. English, about 2s. per lb.

**DERRIS ROOT.**—Demand continues fair. Dealers are quoting small supplies at about 1s. to 1s. 2d. per lb., according to test.

**DIGITALIS LEAVES.**—The present value of English-grown is about 4s. per lb. Imported leaves are not quoted.

**ERGOT.**—Little business is being done, but values are steady. Spanish-Portuguese, spot, about 8s. 9d. per lb., ex store; slightly wormy, about 8s. per lb.; shipment, 6s. 3d. to 6s. 6d. per lb., c.i.f.

**GAMBOGE.**—A modest routine business is passing at full prices. Spot, about £26 per cwt., ex store.

**GINGER.**—Firm at the values quoted last week. West African, spot, 85s. per cwt., sellers. Jamaican, spot, small-medium, 90s. per cwt.; bold, in barrels, 120s. per cwt. Cochín, unwashed, spot, unchanged at 77s. 6d. per cwt., sellers.

**GUM ACACIA.**—Not a lot of business is passing. Kordofan cleaned sorts, spot, dearer at about 90s. per cwt., ex store London; bleached, from 140s. to 170s. per cwt., according to quality; shipment, cleaned, unchanged at 47s. 6d. per cwt., c.i.f.

**HENBANE.**—The present value of English-grown leaf is about 6s. 6d. per lb. No quotations are available for imported material.

**IPECACUANHA.**—This product has had another quiet week. Matto Grosso, spot, unchanged at about 19s. to 20s. per lb., nominal, ex store; shipment, again easier at about 13s. 6d. per lb., c.i.f. Minas, in good inquiry; spot, about 11s. per lb.; shipment, about 8s. 3d. per lb., c.i.f. Ext. IPECAC. LIQ., steady at the recent reduction to 26s. 6d. per lb., for minimum lots of twelve winchesters.

**MENTHOL.**—A particularly good demand is noted, but spot stocks appear to be limited. Chinese, spot, about 21s. 6d. to 22s. 6d. per lb.; forward values vary between 19s. and 20s. per lb., c.i.f., according to shipper. A few cases of Japanese are stated to be available on spot at about 25s. per lb., ex store, duty paid.

**MERCURY.**—The present London spot quotation remains unchanged at £48 per bottle of 34.5 kilos, ex warehouse, without engagement and subject to confirmation.

The "Metal Bulletin" (February 14) states that the steadily upward tendency in American quicksilver output received a check in November 1940, when, according to the U.S. Bureau of Mines, domestic production was 3,400 flasks, a decline of 200 from the figure reported for both October and September. Consumption in November, however, was 200 flasks higher at 2,900 flasks. Exports were lower at 361 flasks against 757 in October. Stocks in consumers' and dealers' hands were reported at approximately 12,600 flasks, against 13,200 flasks at the end of October. In addition, producers were reported to be holding nearly 1,000 bottles. Of the November exports 205 flasks were shipped to the United Kingdom, 37 to Canada, and 52 to Australia.

**NUTMEGS.**—Nominal West Indian, spot, 80's, 1s. 2d. per lb.; 90's, 1s.; wormy and broken, 11d.

**ORANGE PEEL.**—Thin-cut is valued on spot at about 3s. 9d. to 4s. per lb., ex store. Bitter quarters are in limited supply, but some deliveries are expected shortly; the price will be about 1s. 10d.

**PEPPERS.**—Market idle. Lampong, spot, 5½d. per lb., in bond, sellers; Tellicherry, spot, 6½d. Aleppy, spot, 6d. value. White Muntok, spot, in bond, 8½d., sellers; shipment, unquoted.

**PIMENTO.**—Easier on spot at 1s. 5d. per lb. paid; shipment, new-crop, February–March, 130s. per cwt., nominal, c.i.f.

**PODOPHYLLUM ROOT.**—Dealers are quoting about 60s. per cwt. for *Emodi* and about 80s. per cwt. for American, on spot.

**QUASSIA CHIPS.**—Dealers' quotations remain at about 30s. per cwt., ex store, for small supplies.

**QUILLAIA BARK.**—Spot supplies appear to be rather limited, and prices are firmer at about 85s. to 90s. per cwt.

**RHUBARB.**—Spot price continues firm, owing to short supplies. Business is reported done in rough-round at 6s. 3d. per lb., with little likelihood of further supplies at this figure. Several parcels afloat are offered at 5s. 6d. per lb., landed and duty paid. Shipment, unchanged at about 4s. 5d. to 4s. 8d. per lb., c.i.f. Small supplies of Shensi are quoted at 7s. 9d. to 8s. 9d., spot.

**RUBBER.**—Firm and a shade dearer. Standard ribbed smoked sheet, spot, 12½d.; March, 12½d.; April–June, 12½d.; July–September, 12½d.; October–December, 12½d.

**SEEDS.**—ANISE.—Spot, nominal, 130s., duty paid. CANARY.—Not quoted. CARAWAY.—Spot, duty paid, Dutch, 240s. CORIANDER.—Spot, Morocco, quoted at 120s., duty paid, ex store Liverpool. CUMIN.—Spot, Malta, 135s., duty free; Morocco, 140s., duty paid. DILL.—Spot, Indian, 65s., duty free, ex store Liverpool. FENNEL.—Spot, Indian, 57s. 6d., duty free; Iran, 55s., duty paid. FENUGREEK.—Spot, duty paid, Morocco 40s., ex store London or Liverpool. MUSTARD.—English, in very small quantities, 78s. to 85s., according to quality.

**SENEGA.**—Firm, with spot material quoted at about 5s. 6d. per lb. Shipment, now about 4s. 10½d. to 5s. per lb., c.i.f., with offers difficult to obtain.

**SENNA.**—Steady and unchanged. Tinnevely, spot supplies small. No. 1 leaves, 10d. per lb.; No. 2 leaves, 6½d.; No. 3 leaves, 5d. per lb. Hand-picked Tinnevely pods, if available, 1s. to 1s. 3d. per lb.; manufacturing pods, 6d. to 7d. per lb. Alexandrian hand-picked pods, a few small lots at 5s. 6d. to 7s. 6d. per lb.

**SERPENTARY ROOT.**—Spot price would be about 4s. per lb.

**SHELLAC.**—Remains steady, with usual standard TN orange at 87s. 6d. per cwt.; to arrive, 64s. per cwt., c.i.f. Pure button, spot, 115s., and fine orange, 110s. to 170s. per cwt.

**STRAMONUM LEAVES.**—Some Indian is reported available at about 110s. per cwt., spot.

**TAMARINDS.**—Stocks low. Barbados, spot, 55s. per cwt.

**TONKA BEANS.**—Dealers continue to offer fair frosted Para beans on spot at approximately 2s. 9d. per lb.

**TRAGACANTH.**—Scarcity of the finer grades of gum continues. Prices for medium qualities are as follows: No. 1, white, £110; No. 2, white, £90; No. 3, white, £80; pale leaf, £55; amber leaf, £37; red leaf, from £17; woody and hoggy, from £10 per cwt., ex store.

**TURMERIC.**—More spot inquiries have been noted. Madras and Rajapore finger, 50s.

**VALERIAN ROOT.**—Supplies of Indian root are reported available at about 130s. to 140s. per cwt., spot.

**WAXES.**—BEES'.—In quiet demand; values mostly unchanged. Spot, 200s.; in bond, 190s.; shipment, Dar-es-Salaam, 182s. 6d. per cwt., c.i.f. Japanese, first three brands, spot, duty paid, 138s.; in bond, 128s.; shipment, 115s., c.i.f. CARNAUBA.—Fatty grey, 450s.; chalky grey, 435s.; Primeira, 525s.

## Essential and Expressed Oils

THERE are few price changes to record this week, and demand for the majority of oils continues quiet.

**ALMOND.**—Quotations for English expressed are as follows: Spot, one-cwt. lots, 5s. per lb.; smaller quantities, up to 5s. 6d. per lb., ex store. Foreign bitter, if available, approximately 20s. per lb. on spot; English, 35s. or more per lb.

**ANISE (STAR).**—Firm on spot at about 7s. per lb. in tins in cases,



and about 6s. 9d. per lb. in drums, ex store; shipment, tins in cases, 5s.; drums, 4s. 6d. per lb., c.i.f.

**BAV.**—Remains quiet. Spot value is steady at around 6s. 6d. per lb., ex store.

**BOIS DE ROSE.**—Values steady. Spot, approximately 14s. per lb.; shipment, about 9s. 3d. per lb., c.i.f., in drums.

**CAJUPUT.**—Dealers' spot prices remain firm at approximately 5s. 6d. to 6s. per lb., according to quantity.

**CANANGA.**—Spot business quiet. Dealers are quoting spot oil at approximately 19s. per lb.

**CASSIA.**—Fair amount of spot business, with values firm. Spot, 9s. upwards per lb.; shipment, if obtainable, approximately 7s. per lb., c.i.f.

**CEDARWOOD.**—Dealers are quoting American on spot at 2s. upwards per lb., according to quantity.

**CINNAMON BARK.**—English oil is quoted on spot at about 20s. or more per lb.

**CINNAMON LEAF.**—Fair amount of small spot business. Present quotations are at about 4s. 6d. to 5s. 6d. per lb.

**CITRONELLA.**—Little business is being done, and the price is steady. Ceylon, spot, quoted at about 2s. 6d. per lb. in drums; small lots, up to 3s. per lb.; shipment, firm at about 2s. per lb., c.i.f. Java, spot, about 2s. 6d. to 3s. per lb.; shipment, about 1s. 9d. per lb., c.i.f.

Exports of citronella oil from Ceylon during October 1940 totalled 95,500 lb., valued at rupees 65,000, compared with 58,800 lb. (rs. 30,000) in the previous month. Exports during the period January–October 1940 totalled 1,022,000 lb. (rs. 813,000) compared with 1,221,000 lb. (rs. 870,000) in the corresponding period of 1939.

**CLOVE.**—Moderate spot business; values unaltered. Imported, spot, in drums, about 6s. 6d. to 6s. 9d. upwards per lb., if available. English, quoted unchanged at about 7s. 5d. to 7s. 11d. per lb., according to quantity.

**EUCALYPTUS.**—Steady but quiet. Spot, from 4s. to 4s. 6d. per lb. for 70 to 75 per cent. oil, according to holder, and from 4s. 6d. to 4s. 9d. for 80 to 85 per cent.; shipment, nominal.

**GERANIUM.**—Firm. Spot quotations for both Bourbon and Algerian are at 60s. or more per lb.

**GRAPEFRUIT.**—Quotations for genuine Californian remain at between 14s. 6d. and 15s. per lb. The value of genuine Florida would be about 11s. 6s. per lb.

**GROUNDNUT.**—The controlled price for large bulk quantities of refined deodorised is £40 per ton, naked ex works.

**LAVENDER.**—Spot value would be about 50s. upwards per lb. for good-quality 38–40 per cent. oil.

**LEMONGRASS.**—Firm, values unchanged. Spot, about 5s. to 5s. 6d. per lb.; shipment, about 4s. 3d. per lb., c.i.f.

**LINSEED.**—The controlled price for large bulk quantities of crude, naked ex works, is £41 10s. per ton. Distributors' prices for ordinary quantities would be higher.

**NEROLI.**—Any available supplies of pure natural oil would be worth about 80s. per oz.

**NUTMEG.**—In small supply on spot at approximately 18s. to 20s. per lb.

**OLIVE.**—The Ministry of Food controlled price to importers for large bulk quantities in 50-gall. drums is unchanged. Distributors' prices for a few gallons, in gallon tins, carriage paid, range from 12s. 6d. to 13s. 6d. per gall., as to quantity.

**ORANGE.**—French Guinea continues to be quoted on spot at about 12s. 6d. per lb. Californian is quoted in sterling at 5s. per lb., in small drums, ex store, duty paid, limited supplies only being available. Shipment can be effected by transit overland to New York at five cents per lb. extra.

**PALMAROSA.**—Spot, about 15s. 6d. per lb., nominal; shipment, new-crop, around 12s. 6d. per lb., c.i.f.

**PEPPERMINT.**—Chinese continues in good demand, and business is reported done on spot at 11s. 4½d. per lb.; it is now difficult to find small lots at 11s. 6d. per lb. Shipment, about 7s. 3d. to 7s. 6d. per lb., c.i.f. American natural oil, steady on spot at between 18s. and 20s. per lb., ex store; shipment, drums, about 15s. 3d., and tins in cases, about 15s. 6d. per lb., c.i.f.

**PINE.**—Stocks of Siberian are short, and the spot value would be about 10s. to 12s. per lb.; Punilio, if available, would be worth about 20s. per lb.

**ROSE.**—Demand slight. Spot, Bulgarian, about 110s. per oz.

**ROSEMARY.**—Dealers quote about 6s. 6d. to 7s. per lb. on spot.

**SASSAFRAS.**—Small amount of spot business. Values steady at about 10s. to 12s. per lb. for genuine oil.

**SPIKE.**—Genuine Spanish oil would be worth approximately 12s. 6d. to 13s. per lb. on spot.

**THYME.**—Small inquiry on spot; value steady at between 10s. and 12s. per lb.

**VEITIVERT.**—Steady; business quiet. Spot, Bourbon, about 50s. per lb.; Java, about 40s. per lb., ex store.

**Synthetics and Isolates.**—Current prices are as follows: **AMYL ACETATE.**—Pure, about 120s.; technical, 109s. per cwt., 10-gall. drums extra; small quantities, up to 2s. per lb. **AMYL CINNAMIC ALDEHYDE.**—Nominal value would be about 15s. per lb., but supplies are uncertain. **AMYL SALICYLATE.**—Firm at about 3s. 3d. to 4s. per lb. **AUBEPINE (ex anethol).**—Nominal at about 22s. 6d. to 25s. per lb. **BENZALDEHYDE.**—Quoted at about 4s. to 5s. per lb. for p.f.c. **BENZYL ACETATE.**—2s. 9d. to 3s. 6d. per lb. **BENZYL ALCOHOL.**—4s. to 4s. 6d. per lb. **BENZYL BENZOATE.**—Quotations are now at about 4s. 6d. per lb., but supplies are limited. **BROMSTYROL.**—100 per cent., 20s. per lb. **CINNAMIC ALDEHYDE.**—Supplies are restricted; quoted at about 7s. to 7s. 6d. per lb. **CITROL.**—Chemically pure, 17s. 6d.; technical, 11s. upwards per lb. **CITRONELLOL.**—8s. 6d. to 9s. per lb., according to quantity. **CITRONELLAL.**—7s. 6d. to 8s. per lb., according to quantity. **COUMARIN.**—About 17s. to 17s. 6d. per lb. **ETHYL PHTHALATE.**—Between 1s. 7d. and 2s. 3d. per lb., according to quantity. **EUCALYPTOL.**—Would be worth about 8s. 9d. to 9s. per lb. **EUGENOL.**—Dealer at about 10s. 6d. to 11s. per lb. **GERANIOL.**—Ex Java, about 8s. 6d. per lb. **HELIOTROPIN** (100 per cent. crystals).—Nominal and in short supply at about 25s. per lb., with possible cheaper offers from some sources. **IONONE.**—100 per cent., 19s. to 20s. per lb.; alpha, 3cs. per lb. **ISOEUGENOL.**—About 12s. per lb. **LINALOL (ex bois de rose).**—Dealer at about 19s. to 20s. **LINALYL ACETATE (ex bois de rose).**—20s. per lb. **METHYL ANTHRANILATE.**—Prices would be a subject for negotiation. **MIRBANE.**—10d. to 1s. 3d. per lb., according to quantity. **MUSK ETOKNE, MUSK XYLAL and MUSK AMBRETTE.**—Prices would be a matter for negotiation. **NEROLIN.**—Price would be a matter for negotiation. **PHENYL ACETIC ALDEHYDE.**—In short supply at about 25s. per lb. **PHENYL ETHYL ALCOHOL.**—Price would be a subject for negotiation. **SAFROL.**—From about 12s. per lb. **TERPINEOL.**—Small supplies at about 3s. per lb. **TERPINEOL ACETATE.**—5s. to 5s. 6d. per lb.

## NIGERIAN GINGER

RECENT research on Nigerian ginger, conducted by Government technical departments, is published in the "Bulletin of the Imperial Institute" (XXXVIII, 4, 432).

The Agricultural Chemist, Northern Provinces, has reported that, as a result of intense propaganda by the Agricultural Department, a great improvement in the quality of the cured ginger offered for sale took place in 1938–39. There was still, however, a proportion of ginger which fell below the minimum standards laid down by the British Pharmacopoeia. To re-establish the good name of Nigerian ginger on the home market it was resolved that, for the 1939–40 season, all cured ginger exported should have an analysis at least as good as that demanded by the B.P. To achieve this it was necessary to concentrate on a part of the ginger-producing area and to restrict curing to that area. The actual curing operations were carried out under the close supervision of the Department. Central washing stations were set up, to which villages brought their scraped, dried ginger. Curing consisted of soaking the ginger in water for two minutes and then washing it with the hands for three minutes. The washing water was afterwards poured away and the ginger taken home to the villages to be dried on mats and brought again next morning for a repeat performance. Normally six such soakings and washings produce ginger of the required colour and physical characteristics. To ensure that, in arriving at this state, no undue loss of chemical constituents was taking place, samples were taken after each washing and analysed. The water-soluble ash was given particular attention, and if the amount appeared to be becoming dangerously low further washing was stopped. Earlier determinations showed that soluble constituents are lost in the washing process at a fairly regular rate, and the amount of washing permissible with safety could be forecast with fair accuracy. In practice it was found that, with the restricted soaking and washing (timed by an egg boiler), the required colour was attained without excessive loss of soluble constituents. From the central washing stations the ginger came to the central market to be sold for export. Buyers had been promised a certificate of quality for each batch of 25 cwt. sold. This certified that the ginger of that batch was up to B.P. standards, and though pre-market sampling had shown beyond reasonable doubt that the ginger was satisfactory, a sample was taken from each batch in a systematic way, and on the result of the analyses of this sample the certificate was issued. In every instance the sample was well above B.P. needs. For sampling work a laboratory was erected in the area, and several hundred samples were dealt with on the spot. It is hoped next year to enlarge the area producing cured ginger, but continuous close check will need to be maintained by analysis, especially if reduced supervision is contemplated in areas that have been satisfactory this year.



## CORRESPONDENCE

Correspondents may adopt an assumed name, but must in all cases furnish their real name and address to the Editor

### Proposed Pharmacy Act Amendment

SIR,—I have not replied to your question, not from any discourtesy or indecision on my part, but because I was under the impression that the president had replied on behalf of the Council as a whole. However, as members of Council have expressed their personal views in your columns, I have no hesitation in supplying my answer to your question. I am not in favour of the Government's proposed alteration of Section 12 (i) of the Pharmacy and Poisons Act.

Yours faithfully,

Watford.

J. F. McNEAL.

[NOTE: The final result of our "straw" vote on this subject (*C. & D.*, February 15, pp. 93, 94, and 97) is: Ten members of the Council against the Government's proposed Amendment; none in favour of it; and ten indefinite replies. Four members did not reply.—EDITOR.]

SIR,—The replies to your *questionnaire* on the Pharmacy Act Amendment are illuminating. The official attitude as set forth by the president is quite understandable and is docilely accepted by nine of the councillors. They prefer to sit on the fence in the hope of some kind of compromise. Mr. Parry appears to go a step further than some of his colleagues. He declares that he "hates compromise" but he shirks "the straight though hopeless fight" (which he prefers) for fear of some dire consequence apparently too dreadful to be mentioned.—Yours faithfully,

CHRISTOPHER COURTNEY (12/2).

SIR,—While the "straw" vote which you have taken (*C. & D.*, February 15, p. 97) shows the consensus of opinion in the Council to be against any alteration in the law as it stands, some of the replies were non-committal. Judging by the reports of resolutions passed at meetings in different parts of the country, a similar question sent out to all pharmacists would bring an overwhelming majority against the proposed amendment. The meaning of the Act has been interpreted by a case in the High Court, and one cannot help wondering what would be the position if this amendment were adopted. Would it be retrospective? If so, would the case concluded in the High Court have to be reconsidered, and what would be the position of the firm involved?

Yours faithfully,

S. Q. A. BELLUM (15/2).

### Treatment of Burns

SIR,—Suggestions for the treatment of burns at this moment are not very definite, although the responsible authorities are apparently seeking something in the way of a specific. Reference to a well-known therapeutic index of diseases reveals so many articles and preparations as to prompt one to select the remedy by pricking, as is done for sheriffs. Many people who are unacquainted with the official or semi-official recommendations will fall back upon the well-known limewater and oil. For such it should be observed that the original recipe as used at the Carron Iron Works called for linseed oil—which is a drying oil and therefore differs much from the olive or sweet oil frequently supplied. This latter is perhaps equally efficacious. In the eighteenth century John Wesley ("Primitive Physic") said that it was "the most effectual application I have ever met with." It has the great advantage of being easily and quickly procurable, which is not the case with the new jellies. For the ordinary person, tannic acid is following picric acid into the limbo of forgotten things. For hospital use I have heard of nothing better than the Burn Ointment (*Ung. resinæ acidum*) first found in the 1887 *Pharmacopœia* of the Manchester Royal Infirmary; it is still in constant demand. This article has a resin, wax and oil base with a mixture of zinc oxide and phenol. But for general and immediate use in the house and in the factory there is in my opinion nothing so satisfactory as sodium bicarbonate kept ready in 8-oz. packages. To use it, place some in a basin and make into a paste with water or milk, place a thick dressing of this on the burn, cover with lint or gamgee tissue, fix with a suitable bandage, then keep the whole damp continually with sprinklings of water. I have had much experience with this treatment and have never seen the slightest disfigurement.

Yours faithfully,

Bristol.

WILLIAM KIRKBY.

## Points from Letters

### Pharmacy and the Bible

How many of your readers have noticed a reference to saccharin tablets in the Old Testament? I have in mind a verse in the Nineteenth Psalm which reads: "More precious are they than gold, yea than much fine gold; sweeter also than honey and the honeycomb."—*R. C. O.* (11/2).

### N. H. I. Scripts

We protest in the strongest manner possible against the proposed alteration in N.H.I. forms and chemists having to keep a record of D.D.A. scripts. It is the thin end of the wedge to get chemists to keep a separate code and copy in all N.H.I. forms. We have signed no agreement to this effect.—*W. J.* (10/2).

## MISCELLANEOUS INQUIRIES

We do not undertake to analyse and report upon proprietary articles nor to publish supposed formulas for them

**Shoe Infection.**—*H. N.* (30/1).—Shoes that have become fungus-infected can be effectively and inexpensively sterilised by spraying a 37 per cent. solution of formaldehyde into them on three successive days.

**Glass Feeding Bottles.**—*L. & S.* (7/2).—Since the *C. & D.* War-Time Trade Guide was issued (*C. & D.*, January 25) the Board of Trade have amended the ruling previously given in respect of glass feeding bottles. These are now not controlled under the Limitation of the Supplies Order.

**Alums and Purchase Tax.**—*B. R. P.* (5/2).—Ammonia alum B.P. and potash alum B.P. are included in the list of substances under Class 19 (1) (a) of Customs and Excise Notice 78 which are not chargeable with purchase tax when not put up for medicinal, veterinary or toilet use.

**Chilblain Remedy.**—*E. T. C.* (9/2).—Massage is possibly as important in the treatment of chilblains as the ingredients of the lotion applied. The following routine is claimed to be highly effective: Wash and rub the affected hand or foot with castile soap and cold water. Remove all traces of the soap with cold water and dry thoroughly, afterwards applying a paint consisting of acid picric., gr. 45, in absolute alcohol, 1 fl. oz.

**Adipic Acid.**—*W. M. & Co.* (3/2).—This is a crystalline member of the oxalic acid series. It is soluble in alcohol, ether and hot water, and has a melting point of 152°C. One process of manufacture, by the regulated oxidation of hydro-aromatic alcohols and certain ketones by potassium permanganate, has been described, and the product, which has an acid number of 76.7, is stated to be superior to tartaric acid for use in making baking powder, salines, fruit essences, etc.

**Formaldehyde in Horticulture.**—*S. C. H.* (6/3).—The purpose for which your customer requires the formalin solution is possibly to prevent leaf blight in celery or black rot in cabbage. These are fungoid diseases passed on by adherence of the fungus to the seed coat, and a recognised method of prevention is to soak the seeds for three hours in a solution of one drachm liq. formaldehydi in 2½ pints water, agitating them at intervals. It is also possible that the solution is required to prevent potato-scab, for which purpose the seed potatoes are soaked for two hours in a solution of similar strength.

**U.S. Pharmacy Statistics.**—*N. T. D.* (6/2).—It hardly seems legitimate to draw a moral for pharmacy in Britain from conditions in the United States, which are materially different in certain respects. In any event, your suggestion that American pharmacy is becoming less professional is hardly borne out by the facts, which indicate that while the number of pharmacies is not increasing, the prescriptions dispensed show a decided advance. The following figures are taken from a census of distribution carried out by the U.S. Department of Commerce:—

	1939	1938	1929
Pharmacies in operation	60,483	60,514	58,258
Value of dispensing business done	\$253,629,956	\$239,801,542	\$208,635,205

The average weekly number of prescriptions dealt with in U.S. pharmacies has been estimated at approximately eighty-eight per shop.



# WINTER INFECTIONS

... their prevention  
and treatment are  
a matter of urgency

## PANFLAVIN

TRADE MARK

BRAND OF THROAT TABLETS

TINS OF 30 TABLETS  
(P.A.T.A. 1/3)  
10/- doz.

TINS OF 100 TABLETS  
(P.A.T.A. 3/9)  
30/- doz.

Purchase Tax extra  
Display Terms:  
13 to doz.

Contain a powerful antiseptic which produces a protective barrier against infection through the mouth or throat, diminishing the risk of influenza and other winter ailments. 'Panflavin' tablets are pleasant to the taste because of their chocolate base and can be easily carried in pocket or handbag.

MADE IN ENGLAND

REDUCED PRICE  
Bottles of 4 ozs. 3/-.  
(Cost Price  
per doz. 27/-)  
Purchase Tax extra



## CRESIVAL

TRADE MARK

BRAND OF EXPECTORANT

An agreeably-flavoured expectorant which does not cause gastric disturbance, reduces inflammation, loosens tenacious secretion and controls troublesome and useless coughing. It is indicated in tracheitis and bronchitis, and is especially well-tolerated by children.

# BAYER PRODUCTS LIMITED

AFRICA HOUSE KINGSWAY LONDON W.C.2



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Telephone:

Head Office: Mansion House 5918

Branch Office: Speedwell 9212

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Established 1893

**H. FRISCHMANN****now 30 MINCING LANE****LONDON, E.C.3**

Branch Office: 237 GOLDERS GREEN ROAD, N.W.11

- IMPORT AND EXPORT MERCHANT WITH NEARLY HALF-A-CENTURY'S SHIPPING EXPERIENCE IN THE SUPPLY OF ESSENTIAL RAW MATERIALS TO THE CHEMICAL, PHARMACEUTICAL, FOOD, CONFECTIONERY, PERFUMERY, VETERINARY, AND ALLIED MANUFACTURING TRADES

Indent enquiries solicited. Stocks held in London and provinces

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**Roura & Forgas****QUICKSILVER**14 Seething Lane,  
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Telegrams: Colleague, Fen, London

**Graesser**  
**QUALITY**

★

**PHENOL**  
**META-PARA CRESOLS**  
**ORTHO CRESOL**  
**CRESYLIC ACIDS**  
**XYLENOL MIXTURES**

All prepared and standardised under direct personal control backed by 40 years' experience

**N. H. GRAESSER**  
The Chemical Works, SANDYCROFT, Nr. Chester.  
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**SALICYLATES**

All our products are made under strict laboratory control and under the direct supervision of technical experts. We are specially equipped to produce salicylates of the finest quality.

**ASPIRIN B.P.**  
**SODIUM SALICYLATE B.P.**  
**SALICYLIC ACID B.P.**  
**SALICYLIC ACID TECH.**  
**ORTHO-CRESOTINIC ACID**  
**SODIUM PHENATE, ETC.**

WE SOLICIT YOUR ORDERS AND ENQUIRIES FOR BOTH B.P. AND COMMERCIAL QUALITIES.

In addition to maintaining a high standard of quality we have a reputation for attentive service and prompt delivery.

**GRAESSER SALICYLATES, LTD**  
The Chemical Works, Sandycroft, Chester  
Phone: Hawarden 2125 Grams: Quality, Chester



Specify **"CARNEBROS BRAND"** British made

ALON - BISMUTH SALTS  
CHRYSAROBIN  
EPHEDRINE & SALTS  
PODOPHYLLIN  
QUININE SALTS  
SANTONIN - STRYCHNINE

*Packed to suit customers' requirements for Home or Export Trades*

**CARNEGIE BROS. LTD.**

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'PHONE: GLISSOLD 4761 (4 LINES) 'GRAMS: CARNEBROS LONDON CODES: A.B.C. 6TH BENTLEY & MARCONI

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## Standard Synthetics Ltd.

Managing Director: J. L. HINDLE, B.Sc.

### SPECIALISTS IN PURE ESSENTIAL OILS

*We are actual distillers and first-hand importers of:—*

AMBER OIL RECT.  
CINNAMON BARK OIL B.P.  
GENUINE OIL OF WINTERGREEN  
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PEPPERMINT OIL AMERICAN  
LEMON OIL B.P. SUBSTITUTE  
SASSAFRAS ARTIFICIAL  
ANISEED OIL B.P.  
CAMPHOR OIL SYNTHETIC  
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## Chemicals

PHARMACEUTICAL  
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ACIDS  
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MERCURIALS  
SCALE PREPARATIONS  
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STEARATES  
ETC.

## THOS. TYRER

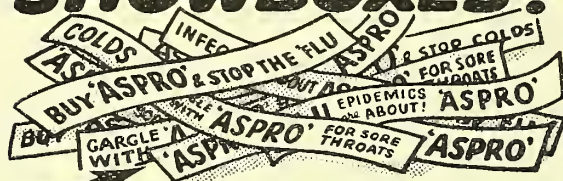
AND COMPANY, LIMITED  
STRATFORD, LONDON, E.15

Phone: MARYland 4874 (5 lines)

Telegrams: "Tyremicus Phone London"



# Pound Notes for YOU IN 'ASPRO' SHOWBOXES!



**a Flu  
Sticker  
or ASPRO  
SHOW  
Brings  
NEW  
CUSTOMERS  
INTO YOUR  
SHOP!**

**COLDS & FLU about!  
GREAT DEMAND  
for 'ASPRO'!**

With 'flu, colds and feverish complaints about thousands of people are asking for 'ASPRO'. The stickers will remind them that YOU SELL THE LINE THEY WANT. That is more important than ever at the present time with new residents in so many districts. Many will be new customers for your other lines as well as 'ASPRO'.

'ASPRO' consists of the purest Acetylsalicylic Acid that has ever been known to Medical Science, and its claims are based on its superiority.

Made in England by  
**ASPRO LIMITED, SLOUGH,  
BUCKS.**

Telephone: Slough 22381.

No proprietary right is claimed in the method of manufacture or the formula.



## SEROCALCIN

For better results in the prevention and treatment of colds. Attractive show material supplied on request.

Write for literature.



Retail prices—  
20's 3.4s.; 60's 8.5s.;  
100's 11.10s.; 250's 25.4s.  
(inclusive of purchase  
tax).

# COLDS

HARWOODS LABORATORIES LTD., WATFORD

## BOX'S PILLS BRING VICTORY OVER INDIGESTION, AND PROFIT TO YOU

A writer has said that to avoid Indigestion in these troubled times one has to be young or tough, or both... but there is another way of doing so and many of your customers have practised it for 50 years



## BOX'S INDIGESTION PILLS

BOX'S PILLS have always sold well, and are now in BRISKER DEMAND THAN EVER BEFORE!

P.A.T.A. List Retail Prices

1/5, 3/4, 5/7, 13/6 and 24/9 INCLUDING PURCHASE TAX  
W. H. BOX, 161 KING STREET, PLYMOUTH



# WAR AND METABOLISM

*Practitioners Recommending  
Brand's Essence*

## EFFECT ON SALES

**L**OSS of appetite, depression, and continual tiredness, are symptoms that are familiar enough in peace-time.

Not very surprisingly, there has been an increase of these symptoms recently. They are the symptoms of *depressed metabolism* and are likely to follow any shock, prolonged strain, or sharp illness.

So many chemists have reported that practitioners are prescribing Brand's Essence for these cases, and the sales of Brand's have risen so greatly of late, that the makers of Brand's Essence felt the need for an independent research on the subject.

### *Tests with Living Subjects*

A famous clinical research institution was accordingly asked to make impartial tests in order to establish the precise therapeutic value of Brand's Essence for this war-aggravated condition.

The tests were carried out. Normal healthy subjects were selected and their basal metabolism was established. Then various accepted preparations for raising the metabolic rate were administered.

The scientists report that one preparation repeatedly achieved the best results. It was Brand's Essence. The graphs showed that, on taking half a bottle of either the chicken or beef essence, the subjects' rate of metabolism rose immediately and was sustained over a longer period than when other accepted meat preparations, home-made broths, etc., were taken.

### *Sales Stimulus*

The results of these tests form the basis for a new advertising campaign for Brand's Essence, addressed to the consumer. Authoritative advertisements, presented as straight "news" in the papers and appealing to the educated, moneyed classes of the public, are appearing week by week in *The Times*, the *Daily Telegraph*, the *Observer*, the *Sunday Times*, and *Punch*.

This campaign will appeal strongly to all those who recognise lowered metabolism symptoms in themselves. You will see a tremendous effect in sales.

It will pay you to give Brand's Essence a good display on your counters and in your windows. It is still at pre-war prices.



*"a bird in the hand  
is worth two in the  
bush"*

FROM "DON QUIXOTE," MIGUEL DE CERVANTES, 1547-1616

**PLACE YOUR MAXIMUM  
ORDER NOW**

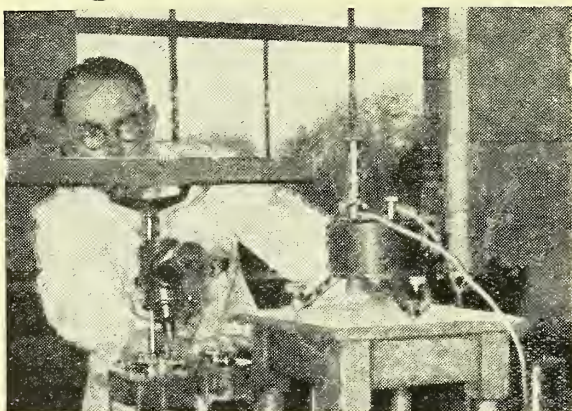
Remember that "SevenSeaS" is a rich protective food of national importance and is being heavily advertised.

"SevenSeaS" will keep almost indefinitely in any cool, dark cupboard, and, provided it is so stored, will not deteriorate or lose its vitamin values.

ISSUED BY BRITISH COD LIVER OIL PRODUCERS  
(HULL) LTD. ST. ANDREW'S DOCK, HULL



# WHEN IS AQUA PURA?



Scientifically a minor matter—but a matter of major importance in a factory where check and counter-check are vital. The pH must be exact for Benger tests. Precise scientific control ensures that a given quantity of Benger's Food can modify a given quantity of fresh milk and at the same time convert to soluble sugars the wheaten powder which is the base of Benger's Food.

Within two minutes of the hot milk being poured on to the wheaten powder the insoluble starch—present in the powder to the extent of 77%—has been digested, so that the prepared Food in the cup contains only 0.5%.

Exact control of such factors as pH is a necessary part of the daily scientific routine which regulates the enzymic activity, keeping it constant to the Benger

## TELL YOUR CUSTOMERS THIS ABOUT BENGERS

Tell your customers that Benger's Food contains pancreatic digestive enzymes, and that when the hot milk is poured on to the cold mixture—according to directions for making—the resulting temperature releases these enzymes for their work. This is partial digestion of both Food and milk. Tell them that Benger's is the only Food in the world which does this. Tell them it only takes as long to make as half a pint of milk takes to boil.

to the Benger formula. This testing and checking of every process at each stage has given Benger's Food the hallmark of reliability upon which the public and the medical and pharmaceutical professions can completely depend.



BENGER'S FOOD, LTD.,  
Holmes Chapel, Cheshire.

PRODUCT OF THE OXO LABORATORIES

# "LIVEROID"

BRAND

*Preparation of Liver*

## for ANÆMIA

EQUIVALENT OF RAW LIVER — BETTER THAN LIVER EXTRACTS

Raw Liver contains the active principles applicable respectively to the treatment of

- (a) *Pernicious Anaemia;*
- (b) *Secondary and Haemorrhagic Anaemias;*
- (c) *Nutritional Macrocytic Anaemia.*

Many forms of Liver Extract, including those of the National Pharmacopoeias, contain only the Pernicious Anaemia principle and are unsatisfactory for the treatment of Secondary and Haemorrhagic Anaemias.

"Liveroid," the natural uncoagulated juice of raw liver, contains all the liver hormones combined with medicinal iron. It is therefore eminently suitable for the treatment of—

**PERNICIOUS ANAEMIA  
SECONDARY ANAEMIAS    HAEMORRHAGIC ANAEMIAS  
NUTRITIONAL ANAEMIAS**

SUPPLIED IN BOTTLES, 3/11 and 6/6

**OXO LIMITED, Thames House, London, E.C.4**

PRODUCT OF THE OXO LABORATORIES

## Is it Price-Protected by the P.A.T.A. ?

By joining the P.A.T.A. nearly four hundred proprietary manufacturers have protected their prices and profits and thus demonstrated their goodwill to the retailer. The P.A.T.A. Year Book and Protected List enumerates these price-maintenance manufacturers and their proprietary articles.

On all proprietaries protected by the P.A.T.A., the retailer is assured of a fair and guaranteed profit. P.A.T.A. minimum retail prices are enforced, and the allowance of dividend rebate or bonus is prohibited.

If you are not sure that a line is "on the P.A.T.A.," refer to this List, and if it is not there, ask the maker the reason why!

In these difficult and uncertain days the stabilising and protective work of the P.A.T.A. is more than ever essential to the well-being of the Trade.

**THE PROPRIETARY ARTICLES  
TRADE ASSOCIATION**

43 GORDON SQUARE, LONDON, W.C.1

Temporary War Emergency Address:

4 THE EMBANKMENT, BEDFORD



# SOUTH AFRICA AND RHODESIA

Never has the importance of developing our Export Trade been more urgent than it is to-day. From the National point of view it is vital to our country, while to manufacturers suffering under the Limitation of Supplies Order, it offers the only opportunity for maintaining their factories in operation on an economic basis.

To all manufacturers of Pharmaceutical and Toilet Preparations, South Africa and the Rhodesias offer a rich and responsive market. In spite of the war these countries are enjoying great and marked prosperity due, firstly, to the price of gold, secondly to the enormous increase in shipping calling at the African Ports and thirdly to the phenomenal demand for wool and all South African produce.

To manufacturers wishing to cultivate these markets the

**H. E. A. SMITH  
DISTRIBUTING CO. LTD.**

associated with

**VERRINDER LTD.**

and

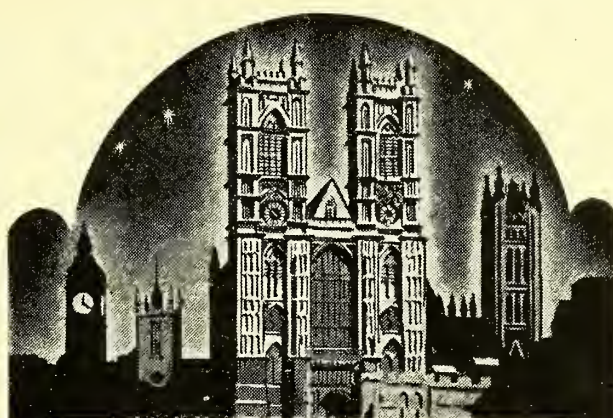
**HOWARD LAMBERT (Pty) LTD.**

offer the services of their unrivalled and old-established organisation. Sole distributors for many of the best known proprietary lines, their travellers cover the whole of the Union and Rhodesia, while the requirements of the trade are met promptly through the Head Office in Johannesburg and their Branch Offices in Cape Town, Durban, Port Elizabeth, East London, Kimberley, Bloemfontein, Bulawayo, and Salisbury, at all of which Depots full stocks are carried.

For further information write to:—

**MAJOR H. A. GEAUSSANT  
61 Pall Mall, S.W.1**

Telephone: Whitehall 5804



## The BRITISH LAXATIVE CHEWING GUM

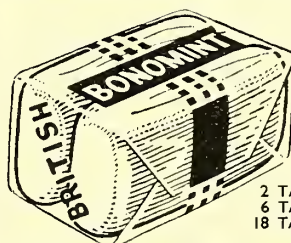
*that gives you*

**MORE THAN**

**33 $\frac{1}{3}$ % PROFIT**



Each 2 tablets of **BONOMINT** are hygienically wrapped in "Cellophane."



2 TABLETS 2½d.  
6 TABLETS 7d.  
18 TABLETS 1/5

*A product of*

**WESTMINSTER  
LABORATORIES  
LTD.**

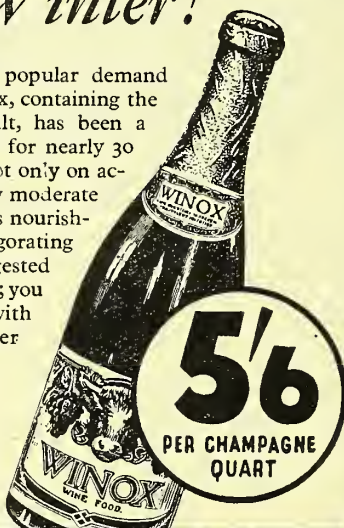
*4-12 Palmer Street, London, S.W.1*



*They all need*  
**WINOX**  
*this Winter!*

Pick-me-ups are in popular demand this winter and Winox, containing the finest meat and malt, has been a favourite tonic wine for nearly 30 years. It still is—not only on account of its extremely moderate price but because it is nourishment in its most invigorating form, specially predigested and easily assimilated; you can recommend it with confidence after 'shelter colds' and 'flu.

*You can secure supplies from your usual wholesaler, but if any difficulty is experienced write to the Sole Distributors for the trade:*



**BROOKS & Warburton Ltd**  
232-242 VAUXHALL BRIDGE ROAD, LONDON, S.W.

*The Wise Chemist  
always recommends  
the best remedy.*

**\*A LONDON CHEMIST:**  
"I am delighted to recommend Dr. Singha Tablets to my Asthma Suffering customers, as I am convinced there is no remedy to equal it."

**IT WILL PAY YOU TO RECOMMEND AND SELL  
DR. SINGHA ASTHMA TABLETS**

**The ORIGINAL  
and STILL the BEST REMEDY for  
ASTHMA, BRONCHIAL ASTHMA  
and BREATHING DIFFICULTIES**

Prices: 1/6, 3/6, 5/6, 12/6, 20/6  
P.A.T.A. Terms from all Wholesale Houses.

**DR SINGHA**  
**ASTHMA TABLETS**

The DR. SINGHA CO., LTD., CABERNARVON, G.S.

**CURICONES** **ANTI-RHEUMATIC CAPSULES**

**Supplied by request to over 6050 doctors**  
(Figures certified by Chartered Accountants)

FOR

**GOUT · LUMBAGO · ARTHRITIS · RHEUMATISM · SCIATICA · NEURITIS · Swollen Joints & Kindred Ills**  
**STEPHEN MATTHEWS & CO. LTD.,** Manufacturing Chemists and Druggists, 19-21 Farringdon Street, London, E.C.4

**OTHER POPULAR LINES**  
**STE-MAT** Nasal Balm, for the relief of colds and catarrh, is winning an ever-increasing circle of friends. In a nationwide investigation 81 per cent. of sufferers stated they found STE-MAT more effective than any other remedy.  
**VICAPS**, the Proved Nerve Tonic, did yeoman service during the last war in cases of nervous prostration, sleeplessness, lost appetite, neuralgic pain, and "War Nerves" generally. To-day VICAPS are coming into their own again. Advertising plans are in hand.

*Millions of the Public*

by eating

**Simpkin's**  
**MEDICATED LOZENGES**  
**& VITA-GLUCOSE TABLETS**

through seeing our advertisements in their evening papers every week  
**ARE PREVENTING WINTER ILLS and CHILLS**

Are you ready  
to meet this  
growing demand?

**A. L. SIMPKIN & CO. LTD**  
Manufacturing Chemists, SHEFFIELD, 6





# SAVES STEEL AND MONEY

MINIMUM  
RETAIL PRICE

1/6 (INCLUDING  
PURCHASE TAX)

EACH PACKED IN A  
SEPARATE CARTON  
WITH INSTRUCTIONS  
FOR USE.

ATTRACTIVE WHOLE-  
SALE TERMS ON  
APPLICATION TO THE  
MANUFACTURERS.

BY MAKING ONE SAFETY-RAZOR BLADE  
LAST FOR HUNDREDS OF SHAVES.  
THESE HONES ARE MADE IN GLASS  
OF UNIQUE PROPERTIES WITH A  
SPECIALLY PREPARED SURFACE AND  
ARE PATENTED THROUGHOUT THE  
WORLD.

**WOOD BROS. GLASS CO., LTD.**

(DEPT. H.I.)  
ESTABLISHED 1828

**BARNESLEY**

TELEPHONE 3637-8-9

**ENGLAND**

TELEGRAMS: "WOODS, BARNESLEY"



# HOT WATER BOTTLES

Made in Edinburgh by

THE

# NORTH BRITISH

**RUBBER COMPANY  
LIMITED**

The unusual conditions under which so many people pass the night are resulting in greatly increased demand for Hot Water Bottles. The North British Rubber Company, in spite of its being heavily engaged in producing goods necessary to the war effort, is doing its utmost to meet the demand for the bottles.

*Not only British—but—***NORTH BRITISH**



# The CHEMIST AND DRUGGIST SUPPLEMENT

This Supplement is inserted in every copy of The Chemist & Druggist

28 ESSEX STREET, LONDON, W.C.2

FEB. 22  
1941

## IMPORTANT TO SUPPLEMENT ADVERTISERS

Instructions for supplement advertising are now accepted in London and at Bath. London press times have been advanced to first post WEDNESDAY morning of week of issue but instructions will still be accepted up to first post THURSDAY morning if sent to Bath.

### THIS IS THE TARIFF

AGENCIES,  
GOODS FOR SALE,  
PARTNERSHIPS,  
PATENTS,  
PREMISES TO LET,  
FOR SALE or WANTED

7/6 for 36 words or less,  
2d. for every additional  
word.

LEGAL NOTICES,  
SALE BY AUCTION,  
TENDERS—AND ALL  
SPECIALLY SPACED  
ANNOUNCEMENTS

1/9 per nonpareil line.  
(12 lines=1 inch, single  
column.)

BUSINESSES for  
DISPOSAL  
BUSINESSES WANTED  
SITUATIONS OPEN

7/6 for 40 words or less,  
2d. for every additional  
word.

MISCELLANEOUS SECTION  
(for Wholesalers, etc.),  
for odd and second-hand  
lots.

12/6 for 60 words or  
less, 1/- for every addi-  
tional 10 words or less.

SITUATIONS { 2/6 for 18 words or less, 1d.  
WANTED { for every additional word.

BOX OFFICE NUMBER  
1/- EXTRA

EXCHANGE COLUMN { 2d. per word  
(for Retailers, etc.) { minimum 3/-

Advertisements received after these times will not be inserted until the following week. All advertisements should be prepaid and to avoid disappointment send your instructions as early in the week as possible to

THE CHEMIST AND DRUGGIST, THE PITMAN PRESS, BATH  
or to London Office at 28 Essex Street, Strand, London, W.C.2.

This is your last chance of securing  
a copy of

## PHARMACEUTICAL FORMULAS

Vol. I or Vol. II

at the present price of 15/- (15/9 post free)

Owing to greatly increased binding and other production costs the price will be advanced to 17/6 per copy (18/3 post free) on March 1 next.

These are the best books of formulas available and will quickly repay their cost. Be wise, save money.

Order Now, Using this Coupon

THE CHEMIST AND DRUGGIST,  
The Pitman Press, BATH

Please send me        copies of Pharmaceutical Formulas Vol. I  
us        copies Vol. II  
(delete words not required)

Affix  
Address  
Label  
here

Cheque or  
Postal Order  
value

herewith

## OPTICAL TUITION

FOR THE

S.M.C., B.O.A., and N.A.O. DIPLOMA Examinations  
Particulars:—

C.A. SCURR, F.S.M.O., F.B.O.A., F.N.A.O., F.I.O., F.C.O., M.P.S.  
50 HIGH STREET, BARNET, LONDON, N.

## EXPORT

### EXPORT SALES ADMINISTRATION

Gentleman, with excellent credentials, and recently Export Manager largest British combine manufacturing TOOTHPASTE, PROPRIETARY MEDICINES, PHARMACEUTICAL and TOILET PREPARATIONS, desires similar appointment.

Advertiser possesses unique export experience, having operated as Agent and Importer overseas; as Overseas Representative travelling consistently throughout the world on missions trade development, inspection and appointment of Agents, goodwill, and in laying foundation for manufacture certain markets; and as Export Executive this country responsible also administration factories and subsidiary companies overseas.

He possesses valuable connexions many markets, practical experience overseas advertising, and expenditure, and desires interest firms anxious immediate development, and who recognise outstanding importance laying sound foundation abroad for export expansion when war ends.

Alternatively would act in advisory capacity export trade, or would operate as Export Agent British manufacturing interests.

Write CDB/368, London Office of this Paper.



## SITUATIONS OPEN

### RETAIL (HOME)

**GREATER LONDON.** Permanent appointments available to Unqualified Assistants. Counter and dispensing duties. Apply, giving full particulars of previous experience to Retail Staff Manager, Taylors British Chemists, Claremont Barn, Claremont Lane, Esher, Surrey.

**WEST EALING.** Chemist requires Assistant, male or female, for counter duties. Dispensing knowledge an advantage. Permanency. Apply CDB/388, London Office of this Paper.

**ASSISTANT** Lady for good-class Dispensing business. State age, experience, and salary required and send photo if possible. Apply, Douglas, Chemist, Torquay.

**ASSISTANT** (male). Permanent, capable and energetic Assistant, commence duties during March. State in first instance your height, age, references and salary required—if possible enclose photograph. Frank Purell, Chemist, 97 Strand Street, Douglas, Isle of Man.

**LADY** Assistant, Hall or unqualified, required for provincial business in Northern Ireland. Would suit lady desirous of working in safe area. State age, experience, salary required. Send copies of testimonials and recent photo. CDB/379, London Office of this Paper.

**PHARMACY.** Qualified Assistant, male or female. Permanency. Applications in writing, stating age, full particulars of experience and salary required to Secretary, Portsea Island Mutual Co-operative Society, 110 Fratton Road, Portsmouth, not later than February 26, marking envelopes "Chemist." Canvassing will disqualify.

**QUALIFIED** Lady or Gentleman wanted by March 17, capable, energetic, good window dresser, lady recently qualified would suit. Write, stating age, experience, salary required, send copy of testimonials (photo if possible), returnable, to Boulwood, 26 Beattyville Gardens, Ilford, Essex.

**QUALIFIED** Manager (man or woman) wanted for small branch pharmacy. Apply, with full particulars, age, salary, etc., to Miss Harrison, Chemist, 313 Horn Lane, North Acton, London, W.3.

**QUALIFIED** Assistant, must have good experience and be quick and accurate worker. Duties mainly dispensing. Salary £4. Applications, giving references, when free and usual particulars, to Superintendent Pharmacist, The Hartlepool Co-operative Society, Ltd., 110 York Road, West Hartlepool.

**QUALIFIED.** Several vacancies will shortly occur in the South of England for Qualified men as candidates for Branch Managements. Good salaries, commission and permanencies. Apply giving age, experience, salary required, etc., to Timothy Whites & Taylors, Ltd., Retail Drug Department Claremont Barn, Claremont Lane, Esher, Surrey.

**QUALIFIED** Assistant, either sex, wanted for North London. Permanency, accustomed to N.H.I. dispensing, etc. Apply, stating age, wages required, enclose photo if possible, to 377/790, London Office of this Paper.

**REPRESENTATIVES** required in England by distributors of proprietaries to Chemists and Grocers. Age, experience territories worked, and salary required, to 377/785, London Office of this Paper.

**THE NOTTINGHAM CO-OPERATIVE SOCIETY, LTD.** require competent unqualified Lady Assistants with dispensing experience. Applications (marked Pharmacy), giving full details, to be addressed to the Managing Secretary, Nottingham Co-operative Society, Ltd., Upper Parliament Street, Nottingham, by March 8.

**TAYLORS BRITISH CHEMISTS** have vacancies in the London district for Qualified Managers. Permanent employment with excellent prospects for suitable applicants. Apply by letter, giving particulars of previous employment, age and salary required to Retail Staff Manager, Taylors British Chemists, Claremont Barn, Claremont Lane, Esher, Surrey.

**UNQUALIFIED** Assistant required for Pharmacy Warehouse, to take charge (under the Manager) of incoming and outgoing goods, packing, etc., for duration. Must be thoroughly conversant with all patents, Pharmacy Law, and methods of stock control. Apply, giving full particulars of age, height, experience and wages required, enclosing photograph to General Manager, Co-operative Society, Chapel Street, Rugby.

**UNQUALIFIED** Assistant, male, ineligible for military duties, for first-class Retail and Dispensing business. Apply with full details in first letter. Balkwill & Co., Chemists, 106 Old Town Street, Plymouth.

**UNQUALIFIED** Assistant, male or female, wanted immediately. First-class retail and dispensing business. Apply stating full particulars, salary required, photo if possible. T. G. Stewart, Chemist, Bracknell.

**UNQUALIFIED** Assistant for dispensing and counter in good North London suburb. Permanency. Wide experience and interview essential. Age no bar, but active and up to date. Usual particulars and photograph if possible (returned) to 377/789, London Office of this Paper.

**WANTED** by Doctor, Qualified Lady Dispenser and Book-keeper, Sussex; outdoor. State age, salary, experience, and give reference to 376/765, London Office of this Paper.

### WHOLESALE

**LONDON.** Old-established Manufacturing House requires the services of an experienced Chemist to take charge of manufacturing and packing in their Pharmaceutical Dept. Must be active, a good organiser and not afraid of assisting with the practical work. Progressive opportunity for man of initiative and ability. Write full particulars regarding salary, experience, etc. CDB/375, London Office of this Paper.

**APPLICATIONS** are invited from gentlemen (preferably pharmacists) to fill vacancy on representative staff of world-renowned company marketing ethical products to medical and pharmaceutical professions. Previous experience of propaganda work among medical men desirable but not essential. Energy and ability to talk convincingly are fundamental necessities. Remuneration is by salary and expenses. Apply, giving details of age and experience to 377/784, London Office of this Paper.

**A LONDON** House of Manufacturing Chemists require a young lady for their analytical laboratory. Experience in pharmaceutical analysis essential. Write stating age, experience and salary required to 377/782, London Office of this Paper.

**ASSISTANT** to Factory Manager, well-known toilet preparation house West London. Experience mass-production methods essential. Write full details, age, experience, salary required, to 377/786, London Office of this Paper.

**BURROUGHS WELLCOME & CO.** have several vacancies on their Head Office staff for Qualified and Unqualified ladies. Applicants should apply in writing, giving full details of previous business experience, stating age, salary required, etc., to Reference C.T., Burroughs Wellcome & Co., Snow Hill Buildings, E.C.1.

**MAN** required to take charge of Surgical Dressings Warehouse in North London. Able to control dispatch of Home and Export orders. Give full particulars of experience, age, salary required. (If possible enclose recent photograph.) Write CDB/380, London Office of this Paper.

**PROFESSIONAL** Representatives, not eligible for military service, required to call on hospitals and medical men in (1) Bristol and West, (2) Birmingham and Midlands. Ability to grasp scientific details and present them effectively more important than actual experience in this work. Personality and real selling ability essential. Commencing salary £386 p.a. with expenses, car provided. Apply, giving full details of past experience, to CDB/382, London Office of this Paper.

**REPRESENTATIVES**, not eligible for military service, required to call on chemists in (1) Scotland, (2) Birmingham and Midlands, for well-known firm. Experience in trade and connexion on territory an advantage. Real selling ability essential. Commencing salary £334 p.a., with expenses, car provided. Apply, giving full details of past experience to CDB/381, London Office of this Paper.

**TABLET** Compressing. Experienced Machine Operator wanted. Details of experience, wages required to The Standard Tablet Co., Ltd., Hove.

**TABLET** Machine Minder or Improver for N.W. London Works. Exempt military service preferred. Write details and salary required to 377/783, London Office of this Paper.

**TABLET** Maker required for factory in suburb of S.E. London. Regular work for suitable man. Write, stating age, experience and wages required. CDB/387, London Office of this Paper.

## MISCELLANEOUS

### MAKING-UP WANTED

London Manufacturer wanted to make up advertiser's own formulae. Facilities for labelling and packing desirable but not essential. All components supplied; simple process. 7/10,000 dozen (two products, one summer and one winter) annually. CDB/357, London Office of this Paper.

**QUALIFIED** Chemist, active or retired, with some capital, required to join board as Director of Company marketing proprietary articles sold only by Chemists. Employment can be arranged if desired. A sound opportunity for suitable man with business as well as professional qualifications. 377/788, London Office of this Paper.



**BABY KNICKERS**

Waterproof. Sizes: small, medium, large  
 Best untearable .. .. 10/6 per doz. 114/- per gross  
 Matt superfine .. .. 13/- per doz. 144/- per gross  
 Polished oil-silk .. .. 21/6 per doz. 234/- per gross

**BABY COT SHEETS**

Jaconet: size 22 x 27. 20/9 per doz. 237/- per gross.  
 size 36 x 30. 32/- per doz. 348/- per gross.  
 Rubber: fitted with brass eyelets. Size 27 x 18. 28/- per doz.  
 312/- per gross.  
 size 27 x 36. 44/- per doz. 492/- per gross.

**WHITE NURSING APRONS**

Jaconet, price 27/- per doz. 240/- per gross.  
 Rubber, price 38/6 per doz. 450/- per gross.

All above goods are waterproof and purchase tax is included in the price.

Immediate delivery. Terms: Net cash with order.  
 Special prices quoted to the wholesale trade.

Representatives wanted on commission all districts not already covered.

L. GOLDSTEIN - (Dept. C.D.) 113 DICKSON ROAD, BLACKPOOL

**SITUATIONS WANTED****RETAIL (HOME)**

**L**ADY Assistant would take Saturday or Sunday duties. Experienced, Retail and Dispensing. 61 Flint Street, Leicester.

**L**ADY Dispenser, Hall diploma, requires post with doctor or chemist. South or South-west suburban area. Harris, 2 Lingfield Road, Wimbledon, S.W.19.

**WHOLESALE**

**A**DVERTISER (44) would like to hear of opening Wholesale House. Fully experienced all branches, inside or out, would like to take interest, highest references. CDB/385, London Office of this Paper.

**P**HARMACIST (26) desires experience in wholesale manufacturing and packing. Small salary accepted. CDB/384, London Office of this Paper.

**R**EPRESENTATIVE (44), disengaged shortly, owing to Limitations of Supplies Order. Sound connexion London and Home Counties, worked fifteen years Chemists, Hairdressers, Stores with Sundries, Toilets, Packed Goods. Highest references. Car if required. 376/757, London Office of this Paper.

**S**ALES and Advertising Control. Man (42—exempt) desires change in this sphere. Fifteen years' experience of modern managerial, sales and advertising with world-famous food manufacturers, including the organisation of staff, branches, exhibitions and demonstrations. Close liaison with medical and allied professions, multiple stores, Government and municipal departments, all classes of schools, etc. Experience of "public relations," market research, etc. Replies to S.A., 377/787, London Office of this Paper.

**EXCHANGE**

**20** FT. Oxygen Cylinders, just refilled, Glymiel Jelly, Barlock Portable Typewriter. Exchange offers invited. Tracy, 5 Norman Road, St. Leonards.

**FOR SALE**

**A**LBRO Gravity Filling Machine (small bottles) as new, £40. Concentrated Foods, Devonshire Works, Barley Mow Passage, Chiswick, London, W.4.

**FOR SALE. WHAT OFFERS?**

3x Neroli Bijarade  
 3ii Neroli Synthetic  
 3i Rose Bulgarian

Small quantities other essential oils. List on application. May be viewed by appointment. Write, "Chemist," 5 Harlow Moor Drive, Harrogate.

**S**ENNA. If you are interested in Alexandrian or Timnivelly leaves or pods you will not regret placing your inquiries with us. Write CDB/383, London Office of this Paper.

**WANTED**

**A**DVERTISER open to purchase for cash all kinds of Perfumery, Toilet Goods, and Chemist's Sundries, in any quantities. Send full details and sample if possible to 2/9 Wyndham Crescent, London, N.19.

**C**ITRIC ACID.—We are regular buyers of any quantities of 1 cwt. and over of Citric Acid Powder, B.P., and Fine Granular B.P. Write to 376/750, London Office of this Paper.

**S**IFTER and Mixer (Gardner or others) with Essence Sprayer, 100 lb. capacity, interior, agitator, fitments, etc., of stainless steel. 376/768, London Office of this Paper.

**SECTION 16—LIMITATION OF HOME SUPPLIES**

Wholesalers and other organisations with available quota under Section 16 are invited to get in touch with Roger & Gallet, Perfumers, Lechmere Road, London, N.W.2. Satisfactory terms offered.

**S**ACCHARIN 550. We are buyers of 5 lb. lots. Good prices paid. Write to 376/751, London Office of this Paper.

**SACCHARIN TABLETS**

Will pay 4s. 9d. thousand for half-strength tablets. Any quantities. Cash waiting. M.P.S., 24 Pegwell Street, S.E.18.

**W**ANTED. Mixer and Sifter, Gardner, to deal with about about 150 to 200 lb. Lowest price to CDB/378, London Office of this Paper.

**W**ANTED. Toilet Holdalls. Powder Puffs, etc., etc. Immediate Payment. Write: Manager, Drug Department, Newcastle Co-operative Society, Ltd., 117 Newgate Street, Newcastle-upon-Tyne.

**W**ASHING and Drying Apparatus wanted for Winchester Quart Bottles, etc. Second-hand or new. Apply John Hamilton & Co., 16 Watson Street, Glasgow, C.1.

**W**ANTED. Original "Leo" Pills. State number and price to CDB/386, London Office of this Paper.

**W**ANTED. Dispensing Scales in good condition. State price to R.B.L., 16 Melton Road, London, S.E.15.

**LATE NEWS**

**Synthetic Phenol.**—An Order issued by the Board of Trade (S.K. & O. 1941, No. 171) states that nothing in the Control of Dyestuffs Order, 1939, shall apply to imported synthetic phenol.

**Birmingham Branch Meeting.**—A meeting of the Birmingham Branch of the Pharmaceutical Society will be held at the Grand Hotel at 3 p.m. on February 20, when Mr. H. N. Linstead (secretary, Pharmaceutical Society) will speak on "Current Pharmaceutical Topics."

**Pharmaceutical Society of Great Britain**

The following is the programme for the celebration in London of the Society's Centenary and for the seventy-eighth meeting of the British Pharmaceutical Conference:—  
 Tuesday, April 15.—Thanksgiving service (admission by ticket only) 11 a.m., commemorative meeting (admission by ticket only) 2 p.m.

Wednesday, April 16.—Meeting of the British Pharmaceutical Conference 10 a.m., meeting of branch representatives 11.30 a.m., science session 2.30 p.m.

**Hotels.**—The following hotels are conveniently situated for the meetings. Members desiring accommodation should make their reservations through Pickfords Travel Service, 205 High Holborn, W.C.1.

Hotel Russell, Russell Square, W.C.1.  
 Grand Hotel, Southampton Row, W.C.1.  
 Bedford Hotel, Southampton Row, W.C.1.  
 Bonington Hotel, Southampton Row, W.C.1.  
 Kingsley Hotel, Bloomsbury Way, W.C.1.  
 Imperial Hotel, Southampton Row, W.C.1.  
 Whitehall Hotel, Bloomsbury Square, W.C.1.  
 Royal Hotel, Upper Woburn Place, W.C.1.  
 Cora Hotel, Upper Woburn Place, W.C.1.

**CATERING.**—For the convenience of members, the following catering arrangements will be made: *Tuesday*, Lunch 3s. 6d., tea 1s., informal dinner (morning dress) 7s. 6d. *Wednesday*, lunch 3s. 6d.

**GENERAL NOTICES.**—It is hoped that as early application as possible for tickets will be made. Members are particularly asked not to apply for tickets for the Service or for the commemorative meeting unless they are reasonably certain that they will be able to attend as accommodation is limited. By reason of the necessity of making advance arrangements with the caterers, it will not be possible to refund the cost of tickets for the lunches, dinner or tea which are not used.

**APPLICATION FOR TICKETS.**—Application for tickets should be made upon a form to be obtained from the Secretary, Centenary Meeting, 17 Bloomsbury Square, London, W.C.1. Members are asked to send their remittances when they return the application form and not when they apply for the form. Friends of members will be welcome.



## ARE YOU UNEMPLOYED AS A DIRECT RESULT OF THE WAR ? IF SO, READ THIS

In order to assist employees who have lost their employment, either through enemy action or through businesses being closed down in defence areas, a scheme of free advertisements in the "Situations Wanted" column of this Supplement will be available until further notice.

Any such employee of a retail pharmacist whether qualified or not, or any employee of works producing or distributing products in connexion with the drug and associated industries is invited to make full use of this facility without charge.

Advertisements should be accompanied by particulars of last employment and cause of its termination, and should be addressed to The Publisher, The Chemist and Druggist, The Pitman Press, Bath, to arrive not later than WEDNESDAY morning of week of issue.

## WAR-TIME UNEMPLOYMENT SITUATIONS WANTED

The advertisements in this section are inserted free and are from advertisers who have lost their employment as a direct result of the war.

Prospective employers are requested to give them special consideration.

*Advertisers in this Section should advise us immediately employment has been secured.*

### RETAIL

**BIRMINGHAM** district preferred. Advertiser, over military age, thoroughly experienced retail, wholesale, medical and institutional dispensing, good appearance and address, excellent references, reasonable salary. Bombed out of last billet. Free now. CDB/364, London Office of this Paper.

**CHEMIST** (45) disengaged through enemy action, 20 years good all-round London and Provincial experience. Manage or Assistant. Go anywhere. CDB/329, London Office of this Paper.

**DISPENSER-BOOKKEEPER** requires post with doctor or in hospital. Good experience and testimonials. Dispenser, 30 Woodland Way, Mill Hill, N.W.7.

**LADY Dispenser** (Hall) requires post. Good experience. South-Central England or Home Counties preferred. Apply Dispenser, 84 Embleton Road, Lewisham, S.E.13.

**LADY Dispenser**, all-round experience, Hall qualification, would assist Dr., Chemist, or an Institution. Part-time Dispensing, Stock, etc. Write, 73 Harborough Road, Streatham, S.W.16.

**LADY Dispenser** (Hall) requires post, Doctor, Hospital, or Institution. Experienced. Apply, Dispenser, 19 Abbey View Road, St. Albans, Herts.

**MANAGER** (Drug Stores), Senior experienced man: anywhere; present situation lost solely through war conditions in London; satisfactory reference. CDB/347, London Office of this Paper.

**PHARMACIST** (35), married, last situation 4 years, desires permanency. Good London and Provincial experience. Conscientious and reliable. "Chemist," 5 Heneconner Drive, Leeds, 7.

**UNQUALIFIED** (41), married, 15 years' experience, disengaged owing to enemy action, 4½ years in last situation, desires permanency, between Reading and Plymouth. Conscientious and reliable. J. D. Reed, c/o Dr. Reed, Peppard Common, Nr. Reading, Berks.

### WHOLESALE

**A REPRESENTATIVE**, aged 30, disengaged owing to enemy action; exempt military service; highest references; splendid connexion in London and eight counties; very well known to Chemists, Hairdressers and Stores; able to drive car; seven years' experience. Write, "W," 9 Warkworth Gardens, Osterley, Middlesex.

**A WELL-KNOWN REPRESENTATIVE**, covering Warwickshire, Staffordshire, and Worcestershire; many years on this ground. Good references. Toilets and Chemists' Goods. On commission basis. CDB/348, London Office of this Paper.

**CHEMIST** (42), wide experience, Analytical and Works, Foods and Drugs, Pharmaceuticals, Oils, etc. Position of responsibility required. CDB/343, London Office of this Paper.

**LADY** (26), Czech degree as dispensing chemist, desires post, preferably Laboratory Assistant, research work. Three years' continental experience. Sound chemical knowledge. Apply, Zella Mayer, 9 Woodstock Street, Oldham.

**MANUFACTURING Chemist and Dry Drug Charge-hand** (29) requires permanent post; 14 years' experience. Works destroyed by enemy action; exempt military service. Arnold, 45 Argie Avenue, Leeds, 4.

**MEDICAL Propagandist** (33), disengaged owing to enemy action, seeks post with firm of repute. Successfully represented well-known house for 7 years. Excellent references. J. R. Hughes, 71 Coledale Drive, Stanmore, Middx.

**REPRESENTATIVE** (42), disengaged owing to enemy action. Eighteen years' experience calling on Chemists, Hairdressers and Store (Wholesale and Retail). Lancashire, Cheshire and North Wales. Highest credentials. CDB/342, London Office of this Paper.

**REPRESENTATIVE**, over military age, disengaged owing to Limitation of Supplies Order, 16 years' perfumery, excellent London connexion, wholesale and retail. Highest reference. 375/723, London Office of this Paper.

**REPRESENTATIVE**, disengaged owing to enemy action. Has represented well-known London firm in the Midlands and Eastern Counties ground in all sides of pharmacy. Over military age. Car driver. Excellent references. Twenty years' experience. "Rhei," "St. Moritz," Wellington Road, Mablethorpe, Lincs.

**REPRESENTATIVE**, over military age, disengaged owing to enemy action, 20 years' experience on Scottish territory, over 1,000 open accounts, car driver, can successfully handle proprietary lines, perfumery and cosmetics, packed goods and drugs, open for salaried position or would consider agency, Commission and expenses basis. CDB/367, London Office of this Paper.

## PURCHASE TAX

transactions are considerably simplified if you use the **C. & D.**

### PURCHASE TAX READY RECKONER

It gives at a glance the amount of purchase tax to be added to retail sales price of goods

- (a) bought and sold by weight and,
- (b) bought and sold in numbers.

This time-saving book gives the necessary figures and eliminates possibility of errors.

*In handy form for counter use.*

1 copy	.	.	.	7d. post free
3 copies	.	.	.	1/8 " "
6 " "	.	.	.	3/- " "
12 " "	.	.	.	5/6 " "

*Special quotations for larger quantities.*

Remittance should accompany orders to

**THE CHEMIST & DRUGGIST**  
The Pitman Press, BATH



## GREAT WARTIME OFFER (1915)

# ASPIRIN 50'-1b.

C. & D. Market Report. Dec. 1915

A fantastic price. But in 1915 our sources of all fine chemicals had been almost completely cut off. They had all come from overseas—and almost exclusively from Germany. Consequently, stocks dwindled, supplies were very difficult to get, and prices went soaring.

To-day, 14 lb. Aspirin cost less than 1 lb. did in the last war. The country is no longer dependent on outside sources. Monsanto have seen to that. Since the last war, Monsanto by natural and synthetic Phenol production and a large Salicylic Acid plant, have safeguarded the raw material position for the British producers of those vital products, Aspirin, Sodium Salicylate and Methyl Salicylate.

British Fine Chemical Industry made good use of the years 1918—1940. It is thanks to their efforts that nowadays we are able to smile at the fantastic figures of '15 . . . it is due to those efforts that this is not the position to-day.

**WE'VE LEARNED OUR LESSON**



**MONSANTO CHEMICALS LIMITED**

RUABON, WREXHAM, DENBIGHSHIRE

Telephone Ruabon 3191





## PHARMACEUTICAL CHEMICALS

Spot—in Bond, C.I.F. on Contract

## ALKALOIDS—REAGENT CHEMICALS

## BOTANICALS

We can quote strictly competitive prices either for spot delivery or on contract and request the opportunity of proving we are competitive

*Phone National 3831 for enquiries for—*

With all K.I.D. products now requiring Import Licences it is becoming more and more difficult to obtain supplies.

It is therefore advisable to look well ahead for your requirements.

We have important stocks both here and afloat and in your own interests we solicit your enquiries.

If you have any difficulty in contacting our Office  
Telephone Perivale 4911

*We know we can serve you — give us the opportunity!*

# BIDDLE, SAWYER & CO LTD

Incorporating—THE OLD STRAND CHEMICAL & DRUG CO.

**EMPIRE HOUSE, ST. MARTIN'S-LE-GRAND  
LONDON, E.C.1**

Telephone: NATional 3831 (5 lines)    Telegrams: BIDSAWYA, CENT, LONDON





The  
**CHEMIST AND DRUGGIST**  
**EXPORT**  
**SUPPLEMENT**

A reliable guide for  
export buyers of drug  
trade merchandise.

28 ESSEX STREET, STRAND, LONDON, W.C.2

CABLES: CHEMICUS, LONDON

Distributed only with  
the overseas edition of  
the Chemist & Druggist

**BUSH**  
*for*  
**SYNTHETIC CHEMICALS**  
&  
**ISOLATES**

**W. J. BUSH & CO. LTD.**  
ASH GROVE, HACKNEY  
LONDON, E.8, ENGLAND

Cables: TANGERINE, LONDON

**AN INVITATION**

EACH month during the past year we have received from overseas readers a number of letters expressing their interest in the *C. & D. EXPORT SUPPLEMENT*. This correspondence, which has come from all parts of the Empire, the United States and the South American countries, from the Near and Far East and the continent of Africa, has reflected a steadily growing interest in the wide range of products of the British pharmaceutical chemical and allied industries, and a desire to open up and increase as much as possible business with this country. As a reliable medium of contact between overseas buyers and British manufacturers and exporters "the Supplement" has proved a success beyond expectations and is now established as an important service to our readers overseas.

**WHITE FLINT**  
**GLASS CONTAINERS**  
OF HIGH QUALITY  
AND  
**BRITISH MANUFACTURE**  
AT COMPETITIVE PRICES

**MEDICAL BOTTLES**  
**VIALS**  
**TABLET BOTTLES**  
**POMADE JARS**

Enquire for Quotations and Samples  
of our Products:

**NATIONAL GLASS WORKS**  
(YORK), LTD.  
FISHERGATE - YORK - ENGLAND

**MOORLAND Brand**  
**Pharmaceutical Specialities**

**PENETROL INDIGESTANT TABLETS**  
**PENETROL INHALANT, TABLETS,**  
**DROPS**

**ICON Brand OINTMENT, for Internal**  
and External Piles

**LYLATORS for**  
Headaches & Nerve  
Pains  
Aspirin. Acetylsalicyl.  
Phenacetin. Caffeine  
Lactophosph.

**XIR JAFFOL**  
Children's Tonic  
Vitamin A. C. & D. in  
Glucose and orange  
Flavour Syrup.  
**ADRIX "TREATMENT FOR THE**  
**KIDNEYS & BLADDER**

White Tablets) Patas Citras. grs. 10. Patas Acetas.  
Patas Bicarb. grs. 12½ (Brown Tablets) Aloes  
Patas Nitras gr. 1. Asafoetida gr. 1. Methyl-  
nin Hydroch gr. ½ Capsicum gr. ½ Oil. Juniper m. ½  
**FRUMES, Alcoholic & Non-Alcoholic,**  
Pomades, etc.

**B. CARTWRIGHT, LTD.,** Rawdon, Leeds, England  
Agents wanted in Countries where not already  
represented

In the main British goods, their quality, packing and the prices at which they are offered, together with the terms and methods of trading, have been favourably commented on, but occasional criticisms have been received and they have been equally welcome and useful. It is realised that an essential factor in building up export business is a knowledge of the requirements of each overseas market, particularly in regard to the types and quality of goods in demand; the forms of bulk and small packing favoured, the scope of the market and competition that has to be met.

It is on these matters that we extend to our overseas readers a cordial invitation to favour us with their opinion on British goods in their own markets. First-hand and up-to-date reports of this character will be much appreciated

*RENDALLS*  
**PRODUCTS**

**For FEMININE HYGIENE**  
*Known and trusted throughout  
the world*

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**MEDICAL PROFESSION**

Write for full descriptive literature and  
particulars of current Export Prices

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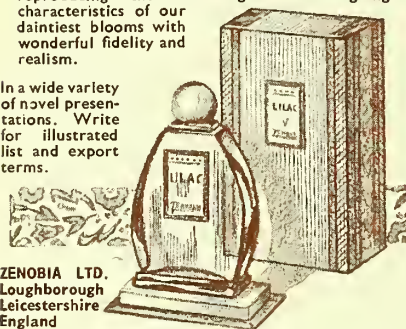


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### TRUE FLOWER PERFUMES

Are complex blends of natural floral essences reproducing the charming and intriguing characteristics of our daintiest blooms with wonderful fidelity and realism.

In a wide variety of novel presentations. Write for illustrated list and export terms.



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## REIGATE 'TEMPLAR' FLOWER OILS

(Rose, Violet, Honeysuckle  
Carnation, Lilium Regale  
Orange Blossom)

## WHITE, TOMKINS & COURAGE LTD.

Distillers of Essential Oils,  
Manufacturers of Fine Chemicals,  
Flower Oils, etc.

## NORTH ALBERT WORKS REIGATE

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Cable Address: ESSWHITE REIGATE SURREY

**THERE ARE FEWER  
GREY HAIRS IN THE  
WORLD TO-DAY!**



**A NEW RANGE  
OF MEN'S HAIR  
PREPARATIONS**  
Based on new scientific discoveries

SEND FOR FREE BOOKLET—  
A real text book on hair  
and scalp treatment.  
TELOTA is well represented  
abroad, but there are still  
some countries for which  
agents are required.

## TELOTA

### HAIR DARKENING POMADE

(One of the TELOTA range)

Invented and Manufacture Controlled by  
W. J. N. SWANN, M.Sc., A.I.C., TELOTA COSMETIC Co., BLACKPOOL, Eng

and of considerable value in assisting the drive to increase British exports. If desired, the identity of correspondents will not be disclosed when their views are passed on for the information of our manufacturers and exporters.

There is another matter on which we should value your opinion. Do you find the editorial columns of "the Supplement" of interest? Hitherto they have been confined to trade information and news; would you like some space devoted to more general topics, such as, for instance, monthly notes on the national, industrial and economic conditions in this country? Correspondence should be addressed to the Editor, THE CHEMIST AND DRUGGIST Export Supplement, 28 Essex Street, Strand, London, W.C.2.

### This Number

In this issue we publish a number of trade articles in French and Spanish. A few months ago, in the "South American number," most of the editorial matter was printed in these two languages and our correspondence indicates that this first foreign language issue was well received. We are prepared to introduce other languages in future issues, such as, for instance, Portuguese, Turkish, Dutch, Russian, Chinese, Japanese, or Arabic. Will you let us have your opinion on this subject? Thank you.

### Empire Ties

Writing from Box 83, Avonmore, Ontario, Canada, Mr. ROBERT J. BARRE, M.P.S., M.I.C.O. Hons., says "... Your C. & D. EXPORT SUPPLEMENTS to hand and I am very interested in them. It is my intention to write some of the advertisers, many of whom I had transactions with as a pharmacist in Northern Ireland. I want to get one or two good agencies for Old Country products. People here are wanting to buy British; such goods advertise themselves. I have connexions in the east and as far north as Ottawa; nothing west except Toronto. During summer, though, the whole of the province of Ontario could be worked. . . ."

### "Delivering the Goods"

The value of exports of chemicals and allied products shipped from Great Britain in 1940 was £27,700,000, the highest total reached for many years. In 1939 exports amounted to £22,900,000 and in 1938 £22,100,000. Your business in 1941 will help to still further increase our shipments. We have the goods and we can deliver them to you.

## SHAVEX

The NO SOAP-NO BRUSH  
Method of Shaving

## ZEE-KOL SOAP

The Almond Oil Toilet Soap

## DOGE CREAM

The Marvellous Complexion Restorer

## ZEE-KOL OINTMENT

The Healer of all Skin Diseases

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Manufactured by

THE SHAVEX ZEE-KOL CO. LTD.  
40 BAVARIA RD., LONDON, N.19  
ENGLAND

## Provedly reliable HAIR POMADE ends GREY HAIR

## A Consistently BIG SELLER

Generous profits — quick sales — Morgan's Pomade never hangs fire in your store! Nor do the many other Marie Antoinette products—all popular selling lines.

Full list, wholesale prices, and terms on application to Marie Antoinette Co., Ltd., 1-7 Grenville Road, London, N.19.



**MORGAN'S**  
Pomade  
ENDS GREY HAIR

## THE BEST THAT BRITAIN PRODUCES DAWN

## RAVEL-PROOF FACE CLOTHS

"DAWN" Ravel-proof Face Cloths are made in a wide range of qualities, in assorted colours and attractive packings. They are the only Face Cloths which never get slimy, and the individual anchoring of every thread into the fabric increases their life. We also produce a wide range of WOVEN Face Squares. In short—we have the styles and prices YOU require.

Every process for the making of our Face Cloths is carried out in our own Works—from the making of the fabric to the packing of the goods for display.

**JACQUESIL FABRICS LTD**  
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**TOILET  
SOAPS**

Beautifying soaps of perfect purity and delightfully perfumed. In great demand all over the World.

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LINES SPECIALLY MADE TO SUIT CUSTOMERS REQUIREMENTS

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## PRODUITS PHARMACEUTIQUES BRITANNIQUES

L'appel qui suit s'adresse aux acheteurs sur tous les marchés de l'Empire : Achetez chez les fabricants britanniques tous vos approvisionnements de produits pharmaceutiques. Le Secrétaire du Groupe d'Exportation nous assure que ces articles, qui sont disponibles pour l'exportation, des points de vue variété et qualité atteignent aisément les plus hauts standards mondiaux et qu'ils font une concurrence sérieuse de prix.

Réfléchissant sur la situation de l'industrie pharmaceutique britannique au commencement de la dernière guerre, nous voyons que les progrès, faits depuis cette époque, ont avancé tellement cette industrie que, malgré la préoccupation de la Grande Bretagne à faire des munitions, des armes et d'autres matériaux de guerre, les fabricants britanniques sont organisés de façon à être capables de pourvoir à tous les besoins du commerce d'outre mer.

Voilà le résultat des efforts acharnés des deux dernières décades. Les anciennes méthodes ont été perfectionnées et beaucoup de recherches accomplies, résultat des liens pratiqués entre les sciences et les industries, et c'est dans ce sens que les investigations se développent toujours. Un des résultats pratiques de ce développement, c'est que nombre de produits peut s'acheter aujourd'hui à des prix bien plus bas que ceux de 1914-18.

On a fait mention à bien des reprises des spécialités médicales allemandes dont l'écoulement rapide est dû à une propagande follement active. Des succédanés de beaucoup de ces produits, de qualité égale sinon supérieure aux produits originaux, sont actuellement à obtenir des fabricants britanniques.

Il faudrait des pages entières de ce Supplément pour donner un aperçu des succès des différents fabricants de spécialités pharmaceutiques; mais on peut citer la chimiothérapie et la biochimie, domaines où l'on a fait des progrès bien remarquables.

D'autres catégories de produits disponibles pour l'exportation sont—

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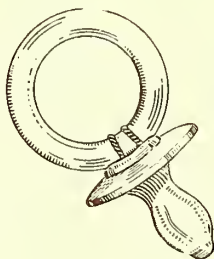
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pharmaceutiques, comprenant les avantages des rapports directs entre les producteurs et les consommateurs, ont nommé des agents régionaux et des représentants voyageurs sur les marchés d'outre mer. Le Directeur-Secrétaire du Groupe pour l'Exportation de Produits Pharmaceutiques, Monsieur W. J. Williams, 166 Piccadilly, Londres, W.C.1, Angl., sera très heureux de mettre en rapport les fabricants et les acheteurs éventuels.

Enfin, qu'on se rappelle que les fabricants britanniques peuvent livrer, et ne manquent jamais à livrer, la marchandise, et que le mot "Britain delivers the Goods" signifie plus que la simple livraison de marchandise, il veut dire que les acheteurs d'outre mer peuvent être sûrs que leurs commandes recevront cette attention et ce soin qui comportent de telle satisfaction aux clients qu'ils peuvent sans hésitation confier à l'industrie britanniques d'autres commandes de produits pharmaceutiques.

\*\*\*\*\*

## LA GRAN BRETAÑA CUMPLE CON LOS COMPRADORES

Lo poco que la fuerza aérea alemana con sus muchos y frecuentes ataques ha entorpecido la producción británica de artículos de exportación se ve por unos ejemplos muy interesantes y significativos que recientemente se han publicado en Londres por el Ministerio de Comercio. Demuéstrase que en los distritos del extrarradio de Londres, por ejemplo, la inmensa mayoría de aquellas fábricas cuya producción se destina para la exportación viene manteniendo su rendimiento total y expidiendo al extranjero sus remesas dentro de los plazos estipulados. Aun en aquellos distritos que más ataques han soportado, establecimientos hay que, pese a las varias veces que han sido alcanzados, se han amoldado rápidamente a las nuevas circunstancias. Una fábrica de 1200 operarios a que se refiere uno de los ejemplos, en sucesivos bombardeos, en el espacio de tres semanas, sufrió ocho golpes directos. El director-gerente de la sociedad, ya a los dos días del último ataque, pudo declarar que gracias a una aventajada y rápida reorganización estaba restablecida una cifra de producción que equivalía a 70% de lo normal, y que la capacidad productora de la fábrica aumentaba cada día. Desde otra fábrica se notició que mediante la ejecución de un plan previo, dentro de 30 horas de la destrucción casi total de sus edificios, la fabricación de artículos suyos destinados para el exterior se había trasladado a un establecimiento del norte del país y allí se mantenía la producción sin disminución alguna.

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**\*\*\*\*\*  
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IN the course of an interesting address held in London, Mr. Arthur Mortimer, O.B.E. (Chairman of the Pharmaceutical Export Group), dealt with the great increase in production and scope of supplies of British-made drugs and medicinal products, of which the following are abstracts:—

A very important function which British chemists have undertaken during recent years has been that of manufacturing articles which in the past were exclusively made in what are now hostile countries. The Third Addendum to the British Pharmacopoeia contains monographs on many of these preparations; in the past they have been sold here under registered trade names. It will be just as well if members of the trade put these trade names in their copies of the Addendum so that they will know exactly what the substance is. There is no call upon us as Britons to perpetuate the goodwill in enemy trade names, and a strong appeal is being made that the official names should be used where possible.

REAGENTS AND LABORATORY CHEMICALS.—Prior to 1914 a large number of reagents and laboratory chemicals were manufactured abroad. This position has been changed. British manufacturers are making these articles to a standard second to none, and they are able not only during war-time but at all times to keep the prices at a reasonable level and supply all home needs as well as having sufficient for export. Our Government naturally expects that every British pharmacist throughout the Empire will refuse to help to keep enemy trade marks "warm," and will do all they can to popularise and use the British remedies which are to hand.

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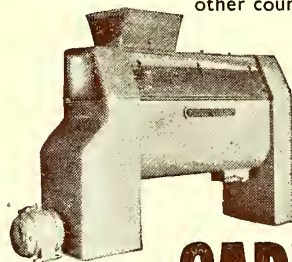
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## PRODUCTOS QUÍMICOS BRITÁNICOS PARA LA FOTOGRAFIA

La situación en que actualmente se encuentra el ramo productos químicos para la fotografía difiere grandemente de la de los años 1914-18. Muy pronto después de declarada aquella guerra quedaron agotadas todas las existencias de los reveladores más indispensables, porque solamente Alemania fabricaba tales productos y comprar a ese país se hizo imposible. Tal situación ocasionó enormes dificultades a los fotógrafos, pero felizmente se resolvió dentro de breve. Las necesidades del gobierno inglés en Metol y Amidol hicieron que se estableciera rápidamente en el Reino Unido la fabricación de esos productos, la cual alcanzó un éxito muy feliz, de modo que dentro de poco tiempo la Gran Bretaña abastecía de dichos productos a todos los consumidores.

A partir del año 18 la Gran Bretaña dió a su fabricación de productos para la fotografía un desarrollo continuo y amplísimo. Así, al principio de la guerra actual, no hubo dificultades como la vez pasada, pues los suministros británicos de los referidos productos no sufrieron ningún entorpecimiento.

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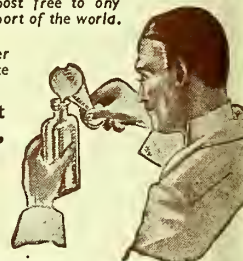
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